

Main catalogue
Overviews

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CCTV/IP

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The data in this catalogue reflect the status quo at the time of publication (04/02/2010). However, due to the rapid technological advance and the constant further development of our products, specifications can change. In order to ensure that you are provided with up-to-the-minute technical data, we offer you separate data sheets for every single product for download on our website www.dallmeier.com. Therefore, we would like to advise you to observe the latest data sheets when placing an order.

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Overview VideoIP network systems



VNS 16



DMS 240 IPS

Standard / max. video channels	2x IP based video channels	8x / 24x IP based video channels
Supported cameras	Dallmeier and third party IP cameras incl. megapixel and high-definition cameras	Dallmeier and third party IP cameras incl. megapixel and high-definition cameras
Operating mode	PentaplexPlus: video recording, streaming, live display, playback, remote access (live display and playback only via PView Light or PView)	PentaplexPlus: recording, streaming, live display, playback, remote access (live display and playback only via PView Light or PView)
Recording mode	Permanent, motion, contact, timer	Permanent, motion, contact, timer
Display via PRemote advance	-	Live display: up to 16x (Multi Display Board required) Playback: 1x (Multi Display Board required)
Split display via PView	1, 4, 9, 13, 16	1, 4, 9, 13, 16, 25
Video formats	MPEG-4, MIPEG (H.264 in development)	MPEG-4, MIPEG, (H.264 in development)
Audio formats	MPEG-1 Layer 2 (G.722 in development)	MPEG-1 Layer 2, (G.722 in development)
Recording resolution	SD, HD (720p, 1080i, 1080p), up to 8 MP	SD, HD (720p, 1080i, 1080p), up to 8MP
Display resolution	D1, 4CIF, Half D1, 2CIF, CIF, QCIF	D1, 4CIF, Half D1, 2CIF, CIF, QCIF
Frame rate at all resolutions		
Per IP based channel	6.25 / 12.5 fps	6.25 / 12.5 / 25 fps
Bit rate per channel		
With up to 8 activated IP channels	-	Up to 4 Mbps
With up to 16 activated IP channels	Up to 3 Mbps	Up to 3 Mbps
Integrated / optional functions		
Management software	PView 7 Light	PView 7 Light
Configuration software	DMS NetConfig	DMS NetConfig
With up to 24 activated IP channels	-	Up to 2 Mbps
Motion detection	Integrated	Integrated
IP-Finder	Integrated	Integrated
Track modes	Standard, automatic, manual	Standard, automatic, manual
Activation additional video channels	Up to 14 IP based video channels	Up to 16 IP based video channels (in total 24 channels)
Interfaces		
Video outputs	-	Only for playback: 1x VGA, 1x DVI-I (optional)
Aux-Line IN/Mic IN/Audio OUT	1x 3.5 mm phone jack / - / 1x 3.5 mm phone jack	1x 3.5 mm phone jack / 1x 3.5 mm phone jack / 1x 3.5 mm phone jack
Ethernet	1x RJ45, 10/100/1000 Mbps	1x RJ45, 10/100/1000 Mbps
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP
Contact IN / relay OUT	22x, each 4 functions / 5x, configurable as NO or NC	30x, each 4 functions / 5x, configurable as NO or NC
Serial / parallel / USB / PS/2	2x RS 232, 1x RS 485 / - / 5x USB 2.0 / Mouse, keyboard	2x RS232, 1x RS485 (optional) / 1x IEEE 1284 / 3x USB 2.0 / Mouse, keyboard
Further interfaces	1x VGA (only for local configuration, no video display possible)	-
Further specifications		
Exchangeable hard disks	Up to 2x 3.5" (optional)	Up to 2x 3.5" (optional)
Max. storage capacity	Up to 4 TB	Up to 4 TB
Video norm	PAL / NTSC	PAL / NTSC
Power consumption	Max. 60 W	Max. 130 W
Voltage supply	12V DC +/- 5 %	110/230V AC +/- 10% (50/60 Hz)
Thermal power	Max. 204 BTU/h	Max. 444 BTU/h
Dimensions (W x H x D)	Approx. 425 x 88 (2HU) x 384 mm	Approx. 425 x 133 (3HU) x 445 mm
Operating temperature	5° - 40° C, 20° - 25° C recommended	5° - 40° C, 20° - 25° C recommended
Humidity	5 - 70 % RH non-condensing	5 - 70 % RH non-condensing
Atmospheric load	Dust-free	Dust-free
Weight	9 - 10 kg	10 - 12 kg
Fan	2x with automatic speed adaptation	3x with automatic speed adaptation
Operating system	Linux	Linux
Languages	German, English, French, Spanish (others on request)	German, English, French, Spanish (others on request)
Approvals/certifications	CE, FCC, ACA, UL, CB, DIN EN 50130-4	CE, FCC, UL, ACA, CB, Kalagate, DIN EN 50130-4

Overview HD cameras



DDF4010HDV



DDF4110HDV

Sensor	1/3" Full High-Definition CMOS sensor with Cam_inPIX®	1/3" Full High-Definition CMOS sensor with Cam_inPIX®
Signal processing	Digital Signal Processing	Digital Signal Processing
Image capture	Interlaced / progressive	Progressive
Transfer format	Progressive (full image)	Progressive (full image)
Image resolution	Up to 1920 x 1080 (Full HD, native resolution)	Up to 1280 x 720 (HD)
B/W and colour mode	Automatic / manual	Automatic / manual
Day/Night functionality	Mechanical ICR function for Day/Night switching	Mechanical ICR function for Day/Night switching
Light sensitivity	At F1.8, 30IRE: 2 lux, (-DN) 0.2 lux	At F1.8, 30IRE: 2 lux, (-DN) 0.2 lux
Zoom	Optical: 10x, digital: 12x	Optical: 10x, digital: 12x
Focus	Automatic, one push, manual	Automatic, one push, manual
Shutter speed	1/2 s to 1/10000 s (in 21 steps)	1/2 s to 1/10000 s (in 21 steps)
Signal to noise ratio (SNR)	> 50 dB	> 50 dB
Digital noise reduction (DNR)	On/Off	On/Off
Brightness adjustment (ALC/AE)	Automatic / manual	Automatic / manual
Backlight compensation (BLC)	On/Off	On/Off
Automatic gain control (AGC)	Automatic / manual (-3 to +18 dB in 8 steps)	Automatic / manual (-3 to +18 dB in 8 steps)
Gamma correction	Automatic / manual	Automatic / manual
Adjustable white balance	AWB, MWB, One push WB, indoor, outdoor	AWB, MWB, One push WB, indoor, outdoor
AE presets	6 presets	6 presets
Configuration	Via web browser	Via web browser
Languages	English, German, French, Spanish, Hungarian	English, German, French, Spanish, Hungarian
Motion detection (VMD)	With selectable sensitivity	With selectable sensitivity
Alarm notification	Via e-mail and ftp upload	Via e-mail and ftp upload
SmartZoom	Integrated	Integrated
Lens specifications		
Iris range/ focal length range	F1.8-F2.1/ 5.1-51 mm	F1.8-F2.1/ 5.1-51 mm
Iris control	DC auto iris	DC auto iris
Horizontal angle of view	Approx. 50° - 5.4°	Approx. 50° - 5.4°
IR filtering	Included IR Cut filter	Included IR Cut filter
Adjustable vertical angle of vision	Wide end: 88.5°, tele end: 75° (for a display without shadowing)	Wide end: 88.5°, tele end: 75° (for a display without shadowing)
HD standard	-	SMPTE 296M
Format and coding		
Video/audio compression	H.264, MJPEG / G.722, MPEG-1 Layer 2	H.264, MJPEG / G.722, MPEG-1 Layer 2
HD standards	SMPTE 296M, SMPTE 274M	-
Frame rate	Up to 50 fps (depending on the resolution)	Up to 30 fps
Video/audio bit rate	Up to 16 Mbps (6 Mbps typical) / up to 384 kbps	Up to 16 Mbps (6 Mbps typical) / up to 384 kbps
Resolution	SD, HD (720p, 1080i, 1080p)	SD, HD (720p)
Video streaming	Multi streaming simultaneous: H.264 and MJPEG with independently adjustable resolutions, frame and bit rates of the individual streams	Multi streaming simultaneous: H.264 and MJPEG with independently adjustable resolutions, frame and bit rates of the individual streams
Multi streaming frame rate	Up to 25 fps with maximal resolution	Up to 25 fps with maximal resolution
Interfaces		
Video outputs	1x CVBS/3.5 mm phone jack (preview: analogue SD output)	1x CVBS/3.5 mm phone jack (preview: analogue SD output)
Audio inputs	1x 3.5 mm phone jack (Line IN, stereo)	1x 3.5 mm phone jack (Line IN, stereo)
Audio outputs	1x 3.5 mm phone jack (stereo)	1x 3.5 mm phone jack (stereo)
Ethernet	1x RJ45, 10BASE-T/100BASE-TX-PoE	1x RJ45, 10BASE-T/100BASE-TX-PoE
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP
Local video memory	Via integrated USB-/SD-port	Via integrated USB-/SD-port
Video buffer	64MB RAM ring storage (pre- and post alarm, network failure compensation)	64MB RAM ring storage (pre- and post alarm, network failure compensation)
Contact IN / relay OUT	3x IN / 1x OUT	3x IN / 1x OUT
Serial	1x RS485 (full-duplex)	1x RS485 (full-duplex)
Programming interface	Open API for 3rd party systems integration via Dallmeier ActiveX*	Open API for 3rd party systems integration via Dallmeier ActiveX*
Further specifications		
Video norm	HDTV, SDTV (PAL/NTSC)	HDTV, SDTV (PAL/NTSC)
Voltage supply	24V AC +/- 10% (50/60 Hz) or via PoE (class 0)	24V AC +/- 10% (50/60 Hz) or via PoE (class 0)
PoE conformity	IEEE 802.3af (no PoE adapter required)	IEEE 802.3af (no PoE adapter required)
Power consumption	PoE Class 0: max. 12.94 W, 24V AC: max. 15.2 W (in-ceiling and surface mount variant) 24V AC: max. 79.2 W (weather-proof variant)	PoE Class 0: max. 12.94 W, 24V AC: max. 15.2 W (in-ceiling and surface mount variant) 24V AC: max. 79.2 W (weather-proof variant)
Dimensions	Approx. Ø 186.1 x H 158.6 mm (surface mount variant) Approx. Ø 193 x H 164.4 mm (in-ceiling mount variant) Approx. Ø 259 x H 330 mm (Weather-proof variant)	Approx. Ø 186.1 x H 158.6 mm (surface mount variant) Approx. Ø 193 x H 164.4 mm (in-ceiling mount variant) Approx. Ø 259 x H 330 mm (weather-proof variant)
Weight	Approx. 2000 g (in-ceiling and surface mount variant) Approx. 4100 g (weather-proof variant)	Approx. 2000 g (in-ceiling and surface mount variant) Approx. 4100 g (weather-proof variant)
Operating temperature	Surface mount variant (in- and outdoor): -10°C - 40°C In-ceiling mount variant (indoor): 0°C - 35°C Weather-proof variant (outdoor): -30°C - 50°C	Surface mount variant (in- and outdoor): -10°C - 40°C In-ceiling mount variant (indoor): 0°C - 35°C Weather-proof variant (outdoor): -30°C - 50°C
Humidity	0% - 90% RH non-condensing	0% - 90% RH non-condensing
IP rating	IP67 (surface mount and weather-proof variant)	IP67 (surface mount and weather-proof variant)
Approvals/certifications	CE, FCC, UL, ACA, CB, DIN EN 50130-4	CE, FCC, UL, ACA, CB, DIN EN 50130-4

Overview DOMERA® HD



DDZ4010-YY/HS/HD DOMERA®



DDZ4110-YY/HS/HD DOMERA®

Sensor	1/3" Full High-Definition CMOS sensor with Cam_inPIX®	1/3" Full High-Definition CMOS sensor with Cam_inPIX®
Signal processing	Digital Signal Processing	Digital Signal Processing
Image capture	Interlaced / progressive	Progressive
Transfer format	Progressive (full image)	Progressive (full image)
Image resolution	Up to 1920 x 1080 (Full HD, native resolution)	Up to 1280 x 720 (HD)
B/W and colour mode	Automatic / manual	Automatic / manual
Day/Night functionality	Mechanical ICR function for Day/Night switching	Mechanical ICR function for Day/Night switching
Light sensitivity	At F1.8, 30 IRE: 2 lux; (-DN) 0.2 lux	At F1.8, 30 IRE: 2 lux; (-DN) 0.2 lux
Zoom	Optical: 10x, digital 12x	Optical: 10x, digital 12x
Focus	Automatic, one push, manual	Automatic, one push, manual
Flip function	Available	Available
Shutter speed	1/2 s to 1/10000 s (in 21 steps)	1/2 s to 1/10000 s (in 21 steps)
Signal to noise ratio (SNR)	> 50 dB	> 50 dB
Digital noise reduction (DNR)	On/Off	On/Off
Brightness adjustment (ALC/AE)	Automatic / manual	Automatic / manual
Backlight compensation (BLC)	On/Off	On/Off
Automatic gain control (AGC)	Automatic / manual (-3 to +18 dB in 8 steps)	Automatic / manual (-3 to +18 dB in 8 steps)
Gamma correction	Automatic / manual	Automatic / manual
Adjustable white balance	AWB, MWB, One push WB, Indoor, Outdoor	AWB, MWB, One push WB, Indoor, Outdoor
AE presets	6 presets	6 presets
Configuration	Via web browser	Via web browser
Languages	English, spanish, german	English, Spanish, German
Motion detection (VMD)	With selectable sensitivity	With selectable sensitivity
Alarm notification	Via e-mail and ftp upload	Via e-mail and ftp upload
SmartZoom	Integrated	Integrated
Functions		
Pan/Tilt	360° endless / 0° - 180°	360° endless / 0° - 180°
Variable speed	Pan: 120°/s, tilt: 120°/s (Turbo: 420°/s)	Pan: 120°/s, tilt: 120°/s (Turbo: 420°/s)
Preset speed	Pan: 420°/s, tilt: 420°/s (+/- 0,1°)	Pan: 420°/s, tilt: 420°/s (+/- 0,1°)
Programmable preset positions	248 positions	248 positions
Programmable tours	16 (8 tours, 8 pattern)	16 (8 tours, 8 pattern)
Auto Scan, auto pan	16 scans, 1 pan	16 scans, 1 pan
Lens specifications		
Iris range/ focal length range	F1.8 – F2.1 / 5,1-51mm	F1.8 – F2.1 / 5,1-51mm
Iris control	DC auto iris	DC auto iris
Horizontal angle of view	Approx. 50° - 5,4°	Approx. 50° - 5,4°
IR filtering	Included IR Cut filter	Included IR Cut filter
Format and coding		
Video/audio compression	H.264, MJPEG / G.722, MPEG-1 Layer 2	H.264, MJPEG / G.722, MPEG-1 Layer 2
HD standards	SMPTE 296M, SMPTE 274M	SMPTE 296M
Frame rate	Up to 50 fps (depending on resolution)	Up to 30 fps
Video/audio bit rate	Up to 16 Mbps (6 Mbps typical) / up to 384 kbps	Up to 16 Mbps (6 Mbps typical) / up to 384 kbps
Resolution	SD, HD (720p, 1080i, 1080p)	SD, HD (720p)
Video streaming	Multi streaming simultaneous: H.264 and MJPEG with independently adjustable resolutions, frame and bit rates of the individual streams	Multi streaming simultaneous: H.264 and MJPEG with independently adjustable resolutions, frame and bit rates of the individual streams
Multi streaming frame rate	Up to 25 fps with maximal resolution	Up to 25 fps with maximal resolution
Interfaces		
Video outputs	1x CVBS/3,5 mm phone jack (preview: analogue SD output)	1x CVBS/3,5 mm phone jack (preview: analogue SD output)
Audio inputs	1x 3,5 mm phone jack (Line IN, stereo)	1x 3,5 mm phone jack (Line IN, stereo)
Audio outputs	1x 3,5 mm phone jack (stereo)	1x 3,5 mm phone jack (stereo)
Ethernet	1 x RJ45, 10BASE-T/100BASE-TX-PoE	1 x RJ45, 10BASE-T/100BASE-TX
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP
Local video memory	Via integrated USB-/SD-port	Via integrated USB-/SD-port
Video buffer	64MB RAM ring storage (pre- and post alarm, network failure compensation)	64MB RAM ring storage (pre- and post alarm, network failure compensation)
Contact IN / relay OUT	3x IN / 1x OUT	3x IN / 1x OUT
Serial	1x RS485 (full-duplex)	1x RS485 (full-duplex)
Programming interface	Open API for 3rd party systems integration via Dallmeier ActiveX*	Open API for 3rd party systems integration via Dallmeier ActiveX*
Further specifications		
Video norm	HDTV, SDTV (PAL/NTSC)	HDTV, SDTV (PAL/NTSC)
Voltage supply	24/28V AC +/- 10% (50/60 Hz)	24/28V AC +/- 10% (50/60 Hz)
Power consumption	DDZ4010-IM/HS/HD: max. 25 W DDZ4010-SM/HS/HD: max. 25 W DDZ4010-WM/HS/HD: max. 89 W	DDZ4110-IM/HS/HD: max. 25 W DDZ4110-SM/HS/HD: max. 25 W DDZ4110-WM/HS/HD: max. 89 W
Dimensions	DDZ4010-IM/HS/HD: ca. Ø 227 x H 208 mm DDZ4010-SM/HS/HD: approx. Ø 155 x H 206 mm DDZ4010-WM/HS/HD: approx. Ø 259 x H 330 mm	DDZ4110-IM/HS/HD: approx. Ø 227 x H 208 mm DDZ4110-SM/HS/HD: approx. Ø 155 x H 206 mm DDZ4110-SM/HS/HD: approx. Ø 259 x H 330 mm
Weight	DDZ4010-IM/HS/HD: approx. 2025 g DDZ4010-SM/HS/HD: approx. 1755 g DDZ4010-WM/HS/HD: approx. 4425 g	DDZ4110-IM/HS/HD: approx. 2025 g DDZ4110-SM/HS/HD: approx. 1755 g DDZ4110-WM/HS/HD: approx. 4425 g
Operating temperature	DDZ4010-IM/HS/HD (indoor): 0°C - 35°C DDZ4010-SM/HS/HD (indoor): -10°C - 40°C DDZ4010-WM/HS/HD (outdoor): -30°C - 50°C	DDZ4010-IM/HS/HD (indoor): 0°C - 35°C DDZ4010-SM/HS/HD (indoor): -10°C - 40°C DDZ4010-WM/HS/HD (outdoor): -30°C - 50°C
Humidity	0% - 90% RH non-condensing	0% - 90% RH non-condensing
IP rating	IP67 (weather-proof variant)	IP67 (weather-proof variant)
Approvals/certifications	CE, FCC, UL, ACA, CB, DIN EN 50130-4	CE, FCC, UL, ACA, CB, DIN EN 50130-4

Overview analogue cameras



MDF3 000A-CS-DN



MDF3 000A-M



DF3 000A-DN



DF3 000AS-DN

Sensor	1/3" CMOS sensor with Cam_inPIX®	1/3" CMOS sensor with Cam_inPIX®	1/3" CMOS sensor with Cam_inPIX®	1/3" CMOS sensor with Cam_inPIX®
Signal Processing	17-bit Digital Signal Processing	17-bit Digital Signal Processing	17-bit Digital Signal Processing	17-bit Digital Signal Processing
Dynamic range	102 dB typical - 120 dB max	102 dB typical - 120 dB max	102 dB typical - 120 dB max	102 dB typical - 120 dB max.
Image capture	Progressive	Progressive	Progressive	Progressive
Transfer format	PsF -Progressive With Segmented Frames	PsF -Progressive With Segmented Frames	PsF -Progressive With Segmented Frames	PsF -Progressive With Segmented Frames
Image resolution	720 H x 540 V pixels	720 H x 540 V pixels	720 H x 540 V pixels	720 H x 540 V pixels
Horizontal resolution	540 TV lines	540 TV lines	540 TV lines	540 TV lines
B/W and colour mode	Colour mode also in night mode selectable	Yes	Colour mode also in night mode selectable	Colour mode also in night mode selectable
Day/Night functionality	Mechanical ICR function for Day/Night switching	-	Mechanical ICR function for Day/Night switching	Mechanical ICR function for Day/Night switching
Light sensitivity	At Fo.95, 50IRE: 0.5 lux, (DN) 0.2 lux	At F1.4, 50IRE: 1.0 lux	At Fo.95, 50IRE: 0.5 lux, (-DN) 0.2 lux	At Fo.95, 50IRE: 0.5 lux, (-DN) 0.2 lux
Zoom	Digital 4x	Digital 4x	Digital 4x	Digital 4x
Slow Shutter	Up to 8x	Up to 8x	Up to 8x	Up to 8x
Signal to noise ratio (SNR)	> 48 dB	> 48 dB	> 48 dB	> 48 dB
Brightness adjustment (ALC/AE)	Automatic / manual	Automatic / manual	Automatic / manual	Automatic / manual
Backlight compensation (BLC)	Adjustable backlight zone	Adjustable backlight zone	Adjustable backlight zone	Adjustable backlight zone
Automatic gain control (AGC)	Brightness and gain limit adjustable 0-48 dB	Brightness and gain limit adjustable 0-48 dB	Brightness and gain limit adjustable 0-48 dB	Brightness and gain limit adjustable 0-48 dB
Gamma correction	Automatic / manual	Automatic / manual	Automatic / manual	Automatic / manual
Adjustable white balance	ATW, AWB, MWB (2000K to 11000K)	ATW, AWB, MWB (2000K to 11000K)	ATW, AWB, MWB (2000K to 11000K)	ATW, AWB, MWB (2000K to 11000K)
Synchronisation	Internal	Internal	Internal, AC Line Lock	Internal
AE presets	7 presets	7 presets	7 presets	7 presets
Configuration	Outlined OSD: remote-controlled via UTC commands	Outlined OSD: remote-controlled via UTC commands	Outlined OSD: remote-controlled via UTC commands or at the camera via integrated joystick	Outlined OSD: remote-controlled via UTC commands or at the camera via integrated joystick
Languages	English	English	English	English
Signal format (video)	CVBS, 75 Ohm	CVBS, 75 Ohm	CVBS, 75 Ohm	CVBS, 75 Ohm
Privacy zones	Via Privacy Zone Box	Via Privacy Zone Box	Via Privacy Zone Box	Via Privacy Zone Box
Lens specifications				
Mount	CS mount, C mount with 5 mm adapter	Ø 12 mm thread mount	CS mount, C mount with 5 mm adapter	CS mount, C mount with 5 mm adapter
Iris range/ focal length range	Fo.95/ 2.8-8 mm -D-	F1.4/ 3.6 mm -D-	Standard version delivered without lens	Standard version delivered without lens
Iris control	DC auto iris	Fixed iris	DC auto iris	DC auto iris
Horizontal angle of view	Wide end: 99°, tele end: 35°	Approx. 83°	-	-
IR filtering	Integrated IR Cut filter	IR Cut coating	Integrated IR Cut filter	Included IR Cut filter
Lens variants	Fo.95/ 2.9-8 mm, IR corrected -DN-	F2.5/ 2.3 mm -D- F1.8/ 6 mm -D- F2.0/ 8 mm -D-	Fo.95/ 2.8-8 mm -D- Fo.95/ 2.9-8 mm, IR corrected -DN- F1.5/ 15-50 mm, IR corrected -DN-	Fo.95/ 2.8-8 mm -D-
CasinoCam camera variants	With the lens Fo.95/ 2.8-8 mm	-	Only with the lenses Fo.95/ 2.8-8 mm and F1.5/ 15-50 mm	Only with the lenses Fo.95/ 2.8-8 mm and F1.5/ 15-50 mm
Further specifications				
Video norm	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)
Video outputs	1x CVBS/BNC	1x CVBS/BNC	1x CVBS/BNC	1x CVBS/BNC
Voltage supply	12V DC +/- 10%	12V DC +/- 10%	12V DC, 24V AC +/- 10% (50/60 Hz)	12V DC +/- 10%
Power consumption	Max. 2 W	Max. 1.7W	Max. 3 W	Max. 2.1 W
Mechanical adjusting	-	-	-	-
Dimensions	Approx. W 47 x H 45 x L 71 mm	Approx. W 47 x H 45 x L 53 mm	Approx. W 45 x H 45 x L 108 mm	Approx. W 45 x H 45 x L 73 mm
Weight	Approx. 146 g	Approx. 90 g	Approx. 220 g	Approx. 160 g
Operating temperature	-10°C - 45°C, recommended 0°C - 35°C	-10°C - 45°C, recommended 0°C - 35°C	-10°C - 45°C, recommended 0°C - 35°C	-10°C - 45°C, recommended 0°C - 35°C
Humidity	0% - 90% RH non-condensing	0% - 90% RH non-condensing	0% - 90% RH non-condensing	0% - 90% RH non-condensing
IP rating	-	-	-	-
Approvals/certifications	CE, FCC, ACA, CB, UVV-Kassen, DIN EN 50130-4	CE	CE, FCC, UL, ACA, UVV-Kassen, CB, DIN EN 50130-4	CE, FCC, UL, ACA, UVV-Kassen, CB, DIN EN 50130-4

Overview analogue cameras



DF3000AXS



DDF3000APV Picodome®



DDF3000A4-DN



DDF3000AV4-DN



DDF3000A3(-DN)

1/3" CMOS sensor with Cam_inPIX®	1/3" CMOS sensor with Cam_inPIX®	1/3" CMOS sensor with Cam_inPIX®	1/3" CMOS sensor with Cam_inPIX®	1/3" CMOS sensor with Cam_inPIX®
17-bit Digital Signal Processing	17-bit Digital Signal Processing	17-bit Digital Signal Processing	17-bit Digital Signal Processing	17-bit Digital Signal Processing
102 dB typical - 120 dB max.	102 dB typical - 120 dB max.	102 dB typical - 120 dB max.	102 dB typical - 120 dB max.	102 dB typical - 120 dB max.
Progressive	Progressive	Progressive	Progressive	Progressive
Psf - Progressive With Segmented Frames	Psf - Progressive With Segmented Frames	Psf - Progressive With Segmented Frames	Psf - Progressive With Segmented Frames	Psf - Progressive With Segmented Frames
720 H x 540 V pixels	720 H x 540 V pixels	720 x 540 pixels	720 H x 540 V pixels	720 H x 540 V pixels
540 TV lines	540 TV lines	540 TV lines	540 TV lines	540 TV lines
Colour mode only in day mode selectable	Yes	Colour mode also in night mode selectable	Colour mode also in night mode selectable	Colour mode also in night mode selectable
Electronic switching (no mechanical ICR function)	-	Mechanical ICR function for Day/Night switching	Mechanical ICR function for Day/Night switching	Mechanical ICR function for Day/Night switching
At Fo.95, 50IRE: 0.5 lux	At F1.4, 50IRE: 1.0 lux	At F1.2, 50IRE: 0.8 lux, (-DN) 0.3 lux	At Fo.95, 50IRE: 0.5 lux, (-DN) 0.2 lux	At F1.2, 50IRE: 0.8 lux, (-DN) 0.3 lux
Digital 4x	Digital 4x	Digital 4x	Digital 4x	Digital 4x
Up to 8x	Up to 8x	Up to 8x	Up to 8x	Up to 8x
> 48 dB	> 48 dB	> 48 dB	> 48 dB	> 48 dB
Automatic / manual	Automatic / manual	Automatic / manual	Automatic / manual	Automatic / manual
Adjustable backlight zone	Adjustable backlight zone	Adjustable backlight zone	Adjustable backlight zone	Adjustable backlight zone
Brightness and gain limit adjustable 0-48 dB	Brightness and gain limit adjustable 0-48 dB	Brightness and gain limit adjustable 0-48 dB	Brightness and gain limit adjustable 0-48 dB	Brightness and gain limit adjustable 0-48 dB
Automatic / manual	Automatic / manual	Automatic / manual	Automatic / manual	Automatic / manual
ATW, AWB, MWB (2000K to 11000K)	ATW, AWB, MWB (2000K to 11000K)	ATW, AWB, MWB (2000K to 11000K)	ATW, AWB, MWB (2000K to 11000K)	ATW, AWB, MWB (2000K to 11000K)
Internal	Internal	Internal, AC Line Lock	Internal, AC Line Lock	Internal
7 presets	7 presets	7 presets	7 presets	7 presets
Outlined OSD: remote-controlled via UTC commands or at the camera via integrated joystick	Outlined OSD: remote-controlled via UTC-commands	Outlined OSD: remote-controlled via UTC commands	Outlined OSD: remote-controlled via UTC commands	Outlined OSD: remote-controlled via UTC commands
English	English	English	English	English
CVBS, 75 Ohm	CVBS, 75 Ohm	CVBS, 75 Ohm	CVBS, 75 Ohm	CVBS, 75 Ohm
Via Privacy Zone Box	Via Privacy Zone Box	Via Privacy Zone Box	Via Privacy Zone Box	Via Privacy Zone Box
Lens specifications				
CS mount, C mount with 5 mm adapter	Ø 12 mm thread mount	Board lens, socket: Ø 14 mm	CS mount	Board lens, socket: Ø 14 mm
Standard version delivered without lens	F1.4/ 3.6 mm -D-	F1.2/ 2.9-10 mm -DN-	F0.95/ 2.9-8 mm, IR corrected, DN	F1.2/ 2.9-10 mm -D-
DC auto iris	Fixed iris	DC auto iris	DC auto iris	DC auto iris
-	Approx. 83°	Wide end: 94.6°, tele end: 28.8°	Wide angle: 94°, tele end: 35°	Wide end: 94.6°, tele end: 28.8°
Included IR Cut filter	IR Cut coating	Included IR Cut filter	Included IR Cut filter	Included IR Cut filter
F0.95/ 2.8-8 mm -D-	F2.5/ 2.3 mm -D-	F1.5/ 9-22 mm, IR corrected -DN-	F1.5/ 15-50 mm, IR corrected -DN-	F1.2/ 2.9-10 mm, IR corrected -DN-
F0.95/ 2.9-8 mm, IR corrected -DN-	F1.8/ 6 mm -D	F1.2/ 2.9-10 mm -D-	F0.95/ 2.8-8 mm -D-	F1.5/ 9-22 mm -D-
F1.5/ 15-50 mm, IR corrected -DN-	F2.0/ 8 mm -D-	F1.5/ 9-22 mm -D-	-	F1.5/ 9-22 mm, IR corrected -DN-
-	-	Only with day lenses	Only with the lenses F0.95/ 2.8-8 mm, and F1.5/ 15-50mm	Only with day lenses
Further specifications				
SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)
1x CVBS/BNC	1x CVBS/BNC	1x CVBS/BNC, 1x UTP (passive output: switchable, only one output possible at a time), 1x CVBS/3.5 mm phone jack (preview)	1x CVBS/BNC, 1x UTP (passive output: switchable, only one output possible at a time), 1x CVBS/3.5 mm phone jack (preview)	1x CVBS/BNC, 1x CVBS/3.5 mm phone jack (preview)
12V DC +/- 10%	12V DC +/- 10%	12V DC, 24V AC +/- 10% (50/60 Hz)	12V DC, 24V AC +/- 10% (50/60 Hz)	12V DC, 24V AC (optional) +/- 10% (50/60 Hz)
Max. 2.1 W	Max. 1.7 W	Max. 4 W	Max. 4.5 W	Max. 2 W
-	Ball-joint	Tri-axial gimbal adjustment	Tri-axial gimbal adjustment	Tri-axial gimbal adjustment
Approx. W 45 x H 45 x L 73 mm	Approx. Ø 93 x H 70 mm (surface mount variant) Approx. Ø 94 x H 64 mm (in-ceiling mount variant)	Approx. Ø 149 x H 108 mm	Approx. Ø 153 x H 135 mm (surface mount variant) Approx. Ø 170 x H 129 mm (in-ceiling mount variant)	Approx. Ø 140 mm x H 115 mm
Approx. 160 g	Approx. 600 g (surface mount variant) Approx. 250 g (in-ceiling mount variant)	Approx. 476 g	Approx. 1100 g (surface mount variant) Approx. 1200 g (in-ceiling mount variant)	Approx. 320 g
-10°C - 45°C, recommended 0°C - 35°C	-10°C - 45°C, recommended 0°C - 35°C	-10°C - 45°C, recommended 0°C - 35°C	-10°C - 45°C, recommended 0°C - 35°C	-10°C - 45°C, recommended 0°C - 35°C
0% - 90% RH non-condensing	0% - 90% RH non-condensing	0% - 90% RH non-condensing	0% - 90% RH non-condensing	0% - 90% RH non-condensing
-	IP66 (in-ceiling variant)	-	IP67 (surface mount variant)	-
CE, FCC, UL, ACA, UVV-Kassen, CB, DIN EN 50130-4	CE, FCC, UL, ACA, UVV-Kassen, CB, DIN EN 50130-4	CE, FCC, UL, ACA, UVV-Kassen, CB, DIN EN 50130-4	CE, FCC, UL, ACA, UVV-Kassen, CB, DIN EN 50130-4	CE, FCC, UL, ACA, UVV-Kassen, CB, DIN EN 50130-4

Overview IP cameras



DF3 000IP-PoE-DN



DDF3 000IP-PV-DN

Sensor	1/3" CMOS sensor with Cam_inPIX®	1/3" CMOS sensor with Cam_inPIX®
Signal processing	17-bit Digital Signal Processing	17-bit Digital Signal Processing
Dynamic range	102 dB typical - 120 dB max.	102 dB typical - 120 dB max
Video capture	Progressive	Progressive
Transfer format	Progressive and PsF - Progressive With Segmented Frames	Progressive and PsF - Progressive With Segmented Frames
Image resolution	720 H x 540 V pixels	720 H x 540 V pixels
Horizontal resolution	540 TV lines	540 TV lines
B/W and colour mode	Colour mode also in night mode selectable	Colour mode also in night mode selectable
Day/Night functionality	Mechanical ICR function for Day/Night switching	Mechanical ICR function for Day/Night switching
Light sensitivity	At F0.95, 50IRE: 0.5 lux, (-DN) 0.2 lux	At F1.2, 50IRE: 0.8 lux, (-DN) 0.3 lux
Signal to noise ratio (SNR)	> 48 dB	> 48 dB
Digital noise reduction (DNR)	On/Off	On/Off
Brightness adjustment (ALC/AE)	Automatic / manual	Automatic / manual
Backlight compensation (BLC)	Adjustable backlight zone	Adjustable backlight zone
Automatic gain control (AGC)	Brightness and gain limit adjustable 0-48 dB	Brightness and gain limit adjustable 0-48 dB
Gamma correction	Automatic / manual	Automatic / manual
Adjustable white balance	ATW, AWB, MWB (2000K to 11000K)	ATW, AWB, MWB (2000K to 11000K)
AE presets	7 presets	7 presets
Configuration	Via web browser	Via web browser
Languages	English, German, French, Spanish, Hungarian	English, German, French, Spanish, Hungarian
Motion detection (VMD)	With selectable sensitivity	With selectable sensitivity
Alarm notification	Via e-mail and ftp upload	Via e-mail and ftp upload
Lens specifications		
Mount	CS mount, C mount with 5 mm adapter	Board lens, socket: Ø14 mm
Iris range/ focal length range	Standard version delivered without lens	F1.2/ 2.9-10 mm -DN-
Iris control	DC auto iris	DC auto iris
Horizontal angle of view	-	Wide end: 94.6°, tele end 28.8°
IR filtering	Integrated IR Cut filter	Integrated IR Cut filter
Lens variants	F0.95/ 2.8-8 mm -D F0.95/ 2.9-8 mm, IR corrected -DN- F1.5/ 15-50 mm, IR corrected -DN-	F1.2/ 2.9-10 mm -D- F1.5/ 9-22 mm -D- F1.5/ 9-22 mm, IR corrected -DN-
CasinoCam camera variants	Only with the lenses F0.95/ 2.8-8 mm and F1.5/ 15-50 mm	Only with Day lenses
Format and coding		
Video/Audio compression	MPEG-2, MPEG-4, MJPEG (H.264 tentative) / MPEG-1 Layer 2 (G.722 tentative)	MPEG-2, MPEG-4, MJPEG (H.264 tentative) / MPEG-1 Layer 2 (G.722 tentative)
Frame rate	6.25 / 12.5 / 25 fps	6.25 / 12.5 / 25 fps
Video/audio bit rate	Up to 16 Mbps / up to 384 kbps	Up to 16 Mbps / up to 384 kbps
Resolution	QCIF, CIF, 2CIF, Half D1, 4CIF, Full D1	QCIF, CIF, 2CIF, Half D1, 4CIF, Full D1
Interfaces		
Video outputs	1x CVBS/2,5 mm phone jack (analogue preview)	1x CVBS/cinch (analogue preview)
Audio inputs	1x 3.5 mm phone jack (Line IN)	1x 3.5 mm phone jack (Line IN)
Ethernet	1 x RJ45, 10BASE-T-/100BASE-TX-PoE	1x RJ45, 10BASE-T-/100BASE-TX-PoE
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP
Video buffer	64MB RAM ring storage (pre- and post alarm, network failure compensation)	64MB RAM ring storage (pre- and post alarm, network failure compensation)
Serial	1x RS485	1x RS485
Programming interface	Open API for 3rd party systems integration via Dallmeier ActiveX*	Open API for 3rd party systems integration via Dallmeier ActiveX*
Further specifications		
Video norm	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)
Power supply	24V AC +/- 10% (50/60 Hz) or over PoE (class 0)	12V DC, 24V AC +/- 10% (50/60 Hz) or via PoE (class 0)
PoE conformity	IEEE 802.3af (no PoE adapter required)	IEEE 802.3af (no PoE adapter required)
Power consumption	Max. 6.5 W	Max. 6.5 W
Dimensions	Approx. W 45 x H 45 x L 115.6 mm	Approx. Ø 152 x H 136 mm (surface mount variant) Approx. Ø 170 x H 165 mm (in-ceiling mount variant)
Weight	Approx. 250 g	Approx. 1150 g (both variants) Approx. 1050 g (in-ceiling mount variant)
Operating temperature	-10°C - 45°C, recommended 0°C - 35°C	-10°C - 45°C, recommended 0°C - 35°C
Humidity	0% - 90% RH non-condensing	0% - 90% RH non-condensing
IP rating	-	IP67 (surface mount variant)
Approvals/certifications	CE, FCC, UL, ACA, UVV-Kassen, CB, DIN EN 50130-4	CE, FCC, UL, ACA, UVV-Kassen, CB, DIN EN 50130-4

Overview DOMERA® analogue



DDZ3 018-YY/HS/A DOMERA®



DDZ3 026-YY/HS/A DOMERA®



DDZ3 036-YY/HS/A DOMERA®



DDZ3 018-YY/RP/A DOMERA®

Sensor	1/4" EXview HAD CCD* image sensor	1/4" EXview HAD CCD* image sensor	1/4" EXview HAD CCD* image sensor	1/4" EXview HAD CCD* image sensor
Signal processing	Digital Signal Processing	Digital Signal Processing	Digital Signal Processing	Digital Signal Processing
Dynamic range	Wide Dynamic Range	Wide Dynamic Range	Wide Dynamic Range	-
Image capture	Interlaced	Interlaced	Interlaced	Interlaced
Transfer format	Interlaced or progressive	Interlaced or progressive	Interlaced or progressive	Interlaced or progressive
Image resolution	440,000 pixels	440,000 pixels	440,000 pixels	440,000 pixels
Horizontal resolution	530 TV lines	530 TV lines	530 TV lines	480 TV lines
B/W and colour mode	Automatic / manual	Automatic / manual	Automatic / manual	Automatic / manual
Day/Night functionality	Mechanical ICR function for Day/Night switching	Mechanical ICR function for Day/Night switching	Mechanical ICR function for Day/Night switching	-
Light sensitivity	At F1.4, 50IRE: 0.7 lux, (-DN) 0.01 lux	At F1.6, 50IRE: 1 lux, (-DN) 0.01 lux	At F1.6, 50IRE: 1.4 lux; (-DN) 0.01 lux	At F1.4, 50IRE: 0.7 lux
Zoom	Optical: 18x, digital: 12x	Optical: 26x, digital: 12x	Optical: 36x, digital: 12x	Optical: 18x, digital: 12x
Focus	Automatic, one push, manual	Automatic, one push, manual	Automatic, one push, manual	Automatic, one push, manual
Flip function	Available	Available	Available	Available
Shutter speed	1/1 s to 1/10,000 s (in 22 steps)	1/1 s to 1/10,000 s (in 22 steps)	1/1 s to 1/10,000 s (in 22 steps)	1/1 s to 1/10,000 s (in 22 steps)
Signal to noise ratio (SNR)	> 50 dB	> 50 dB	> 50 dB	> 50 dB
Brightness adjustment (ALC/AE)	Automatic / manual	Automatic / manual	Automatic / manual	Automatic / manual
Backlight compensation (BLC)	On/Off	On/Off	On/Off	On/Off
Automatic gain control (AGC)	Automatic / manual (-3 to +28 dB in 2 dB steps)	Automatic / manual (-3 to +28 dB in 2 dB steps)	Automatic / manual (-3 to +28 dB in 2 dB steps)	Automatic / manual (-3 to +28 dB in 2 dB steps)
Gamma correction	Automatic / manual	Automatic / manual	Automatic / manual	Automatic / manual
Adjustable white balance	AWB, MWB, One push WB, indoor, outdoor	AWB, MWB, One push WB, indoor, outdoor	AWB, MWB, One push WB, indoor, outdoor	AWB, MWB, One push WB, indoor, outdoor
AE presets	6 presets	6 presets	6 presets	6 presets
Languages	English, Spanish, German	English, Spanish, German	English, Spanish, German	English, Spanish, German
Motion detection (VMD)	Integrated	Integrated	Integrated	-
Privacy zones	8 dynamic zones	8 dynamic zones	8 dynamic zones	8 dynamic zones
Alarm notification	Via e-mail and ftp upload	Via e-mail and ftp upload	Via e-mail and ftp upload	Via e-mail and ftp upload
Smart Lens Control	Integrated	Integrated	Integrated	Integrated
Functions				
Pan/ Tilt	360° endless / 0° - 180°	360° endless / 0° - 180°	360° endless / 0° - 180°	360° endless / 0° - 180°
Variable speed	Pan: 120°/s, tilt: 120°/s (Turbo: 420°/s)	Pan: 120°/s, tilt: 120°/s (Turbo: 420°/s)	Pan: 120°/s, tilt: 120°/s (Turbo: 420°/s)	Pan: 100°/s, tilt: 100°/s
Preset speed	Pan: 420°/s, Tilt: 420°/s (+/- 0.1°)	Pan: 420°/s, Tilt: 420°/s (+/- 0.1°)	Pan: 420°/s, Tilt: 420°/s (+/- 0.1°)	Pan: 100°/s, Tilt: 100°/s (+/- 0.2°)
Programmable preset positions	248 positions	248 positions	248 positions	8 positions
Programmable tours	16 (8 tours, 8 Pattern)	16 (8 tours, 8 pattern)	16 (8 tours, 8 pattern)	-
Auto Scan, auto pan	16 scans, 1 pan	16 scans, 1 pan	16 scans, 1 pan	2 scans, 1 pan
Lens specifications				
Iris range/ focal length range	F1.4-F3.0/ 4.1-73.8 mm	F 1.6 - F3.8/ 3.5-91.0 mm	F 1.6 - F4.5/ 3.4-122.4 mm	F1.4-F3.0/ 4.1-73.8 mm
Iris control	DC auto iris	DC auto iris	DC auto iris	DC auto iris
Horizontal angle of view	Approx. 48° - 2.8°	Approx. 54.3° - 2.2°	Approx. 57.8° - 1.7°	Approx. 48° - 2.8°
IR filtering	Included IR Cut filter	Included IR Cut filter	Included IR Cut filter	Included IR Cut filter
Interfaces				
Video outputs	1x CVBS/BNC, 1x UTP/RJ45	1x CVBS/BNC, 1x UTP/RJ45	1x CVBS/BNC, 1x UTP/RJ45	1x CVBS/BNC, 1x UTP/RJ45
Serial	1x RS485/RJ45	1x RS485/RJ45	1x RS485/RJ45	1x RS485/RJ45
Control protocols	Dallmeier DCCP, Pelco D	Dallmeier DCCP, Pelco D	Dallmeier DCCP, Pelco D	Dallmeier DCCP, Pelco D
Control	OSD: PTZ controller, at the recorder, via PView	OSD: PTZ controller, at the recorder, via PView	OSD: PTZ controller, at the recorder, via PView	OSD: PTZ controller, at the recorder, via PView
Further specifications				
Video norm	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)
Voltage supply	24/28V AC +/- 10% (50/60 Hz)	24/28V AC +/- 10% (50/60 Hz)	24/28V AC +/- 10% (50/60 Hz)	24/28V AC +/- 10% (50/60 Hz)
Power consumption	DDZ3 018-IM/HS/A: max. 18 W DDZ3 018-SM/HS/A: max. 18 W DDZ3 018-WM/HS/A: max. 82 W	DDZ3 026-IM/HS/A: max. 18 W DDZ3 026-SM/HS/A: max. 18 W DDZ3 026-WM/HS/A: max. 82 W	DDZ3 036-IM/HS/A: max. 18 W DDZ3 036-SM/HS/A: max. 18 W DDZ3 036-WM/HS/A: max. 82 W	DDZ3 018-IM/RP/A: max. 18 W DDZ3 018-SM/RP/A: max. 18 W DDZ3 018-WM/RP/A: max. 82 W
Dimensions	DDZ3 018-IM/HS/A: approx. Ø 227 x H 208 mm DDZ3 018-SM/HS/A: approx. Ø 155 x H 206 mm DDZ3 018-WM/HS/A: approx. Ø 259 x H 330 mm	DDZ3 026-IM/HS/A: approx. Ø 227 x H 208 mm DDZ3 026-SM/HS/A: approx. Ø 155 x H 206 mm DDZ3 026-WM/HS/A: approx. Ø 259 x H 330 mm	DDZ3 036-IM/HS/A: approx. Ø 227 x H 208 mm DDZ3 036-SM/HS/A: approx. Ø 155 x H 206 mm DDZ3 036-WM/HS/A: approx. Ø 259 x H 330 mm	DDZ3 018-IM/RP/A: approx. Ø 227 x H 208 mm DDZ3 018-SM/RP/A: approx. Ø 155 x H 206 mm DDZ3 018-WM/RP/A: approx. Ø 259 x H 330 mm
Weight	DDZ3 018-IM/HS/A: approx. 2025 g DDZ3 018-SM/HS/A: approx. 1755 g DDZ3 018-WM/HS/A: approx. 4425 g	DDZ3 026-IM/HS/A: approx. 2025 g DDZ3 026-SM/HS/A: approx. 1755 g DDZ3 026-WM/HS/A: approx. 4425 g	DDZ3 036-IM/HS/A: approx. 2025 g DDZ3 036-SM/HS/A: approx. 1755 g DDZ3 036-WM/HS/A: approx. 4425 g	DDZ3 018-IM/RP/A: approx. 2025 g DDZ3 018-SM/RP/A: approx. 1755 g DDZ3 018-WM/RP/A: approx. 4425 g
Operating temperature	DDZ3 018-IM/HS/A (indoor): -10°C - 40°C DDZ3 018-SM/HS/A (indoor): -10°C - 40°C DDZ3 018-WM/HS/A (outdoor): -30°C - 50°C	DDZ3 026-IM/HS/A (indoor): -10°C - 40°C DDZ3 026-SM/HS/A (indoor): -10°C - 40°C DDZ3 026-WM/HS/A (outdoor): -30°C - 50°C	DDZ3 036-IM/HS/A (indoor): -10°C - 40°C DDZ3 036-SM/HS/A (indoor): -10°C - 40°C DDZ3 036-WM/HS/A (outdoor): -30°C - 50°C	DDZ3 018-IM/RP/A (indoor): -10°C - 40°C DDZ3 018-SM/RP/A (indoor): -10°C - 40°C DDZ3 018-WM/RP/A (outdoor): -30°C - 50°C
Humidity	0% - 90% RH non-condensing	0% - 90% RH non-condensing	0% - 90% RH non-condensing	0% - 90% RH non-condensing
IP rating	IP67 (weather-proof variant)	IP67 (weather-proof variant)	IP67 (weather-proof variant)	IP67 (weather-proof variant)
Approvals/certifications	CE, FCC, UL, ACA, CB, DIN EN 50130-4	CE, FCC, UL, ACA, CB, DIN EN 50130-4	CE, FCC, UL, ACA, CB, DIN EN 50130-4	CE, FCC, UL, ACA, CB, DIN EN 50130-4

Overview DOMERA® IP



DDZ3 018-YY/HS/IP DOMERA®



DDZ3 026-YY/HS/IP DOMERA®



DDZ3 036-YY/HS/IP DOMERA®



DDZ3 018-YY/RP/IP DOMERA®

Sensor	1/4" EXview HAD CCD* image sensor	1/4" EXview HAD CCD* image sensor	1/4" EXview HAD CCD* image sensor	1/4" EXview HAD CCD* image sensor
Signal processing	Digital Signal Processing	Digital Signal Processing	Digital Signal Processing	Digital Signal Processing
Dynamic range	Wide Dynamic Range	Wide Dynamic Range	Wide Dynamic Range	-
Image capture	Interlaced	Interlaced	Interlaced	Interlaced
Transfer format	Interlaced or progressive	Interlaced or progressive	Interlaced or progressive	Interlaced or progressive
Image resolution	440,000 pixels	440,000 pixels	440,000 pixels	440,000 pixels
Horizontal resolution	530 TV lines	530 TV lines	530 TV lines	480 TV lines
B/W and colour mode	Automatic / manual	Automatic / manual	Automatic / manual	Automatic / manual
Day/Night functionality	Mechanical ICR function for Day/Night switching	Mechanical ICR function for Day/Night switching	Mechanical ICR function for Day/Night switching	-
Light sensitivity	At F1.4, 5.0IRE: 0.7 lux, (-DN) 0.01 lux	At F1.6, 5.0IRE: 1 lux, (-DN) 0.01 lux	At F1.6, 5.0IRE: 1.4 lux, (-DN) 0.01 lux	At F1.4, 5.0IRE: 0.7 lux
Zoom	Optical: 18x, digital: 12x	Optical: 26x, digital: 12x	Optical: 36x, digital: 12x	Optical: 18x, digital: 12x
Focus	Automatic, one push, manual	Automatic, one push, manual	Automatic, one push, manual	Automatic, one push, manual
Flip function	Available	Available	Available	Available
Shutter speed	1/1 s to 1/10,000 s (in 22 steps)	1/1 s to 1/10,000 s (in 22 steps)	1/1 s to 1/10,000 s (in 22 steps)	1/1 s to 1/10,000 s (in 22 steps)
Signal to noise ratio (SNR)	> 50 dB	> 50 dB	> 50 dB	> 50 dB
Brightness adjustment (ALC/AE)	Automatic / manual	Automatic / manual	Automatic / manual	Automatic / manual
Backlight compensation (BLC)	On/Off	On/Off	On/Off	On/Off
Automatic gain control (AGC)	Automatic / manual (-3 to +28 dB in 2 dB steps)	Automatic / manual (-3 to +28 dB in 2 dB steps)	Automatic / manual (-3 to +28 dB in 2 dB steps)	Automatic / manual (-3 to +28 dB in 2 dB steps)
Gamma correction	Automatic / manual	Automatic / manual	Automatic / manual	Automatic / manual
Adjustable white balance	AWB, MWB, One push WB, indoor, outdoor	AWB, MWB, One push WB, indoor, outdoor	AWB, MWB, One push WB, indoor, outdoor	AWB, MWB, One push WB, indoor, outdoor
AE presets	6 presets	6 presets	6 presets	6 presets
Configuration	Via web browser	Via web browser	Via web browser	Via web browser
Languages	English, Spanish, German	English, Spanish, German	English, Spanish, German	English, Spanish, German
Motion detection (VMD)	With selectable sensitivity	With selectable sensitivity	With selectable sensitivity	With selectable sensitivity
Privacy zones	8 dynamic zones	8 dynamic zones	8 dynamic zones	8 dynamic zones
Alarm notification	Via e-mail and ftp upload	Via e-mail and ftp upload	Via e-mail and ftp upload	Via e-mail and ftp upload
Functions				
Pan/ Tilt	360° endless / 0° - 180°	360° endless / 0° - 180°	360° endless / 0° - 180°	360° endless / 0° - 180°
Variable speed	Pan:120°/s, tilt:120°/s (Turbo: 420°/s)	Pan:120°/s, tilt:120°/s (Turbo: 420°/s)	Pan:120°/s, tilt:120°/s (Turbo: 420°/s)	Pan:100°/s, tilt:100°/s
Preset speed	Pan: 420°/s, tilt:420°/s (+/- 0.1°)	Pan: 420°/s, tilt:420°/s (+/- 0.1°)	Pan: 420°/s, tilt:420°/s (+/- 0.1°)	Pan: 100°/s, tilt:100°/s (+/- 0.2°)
Programmable preset positions	248 positions	248 positions	248 positions	8 positions
Programmable tours	16 (8 tours, 8 pattern)	16 (8 tours, 8 pattern)	16 (8 tours, 8 pattern)	-
Auto Scan, auto pan	16 scans, 1 pan	16 scans, 1 pan	16 scans, 1 pan	2 scans, 1 pan
Lens specifications				
Iris range/ focal length range	F1.4-F3.0/ 4.1-73.8 mm	F 1.6 - F3.8/ 3.5-91.0 mm	F 1.6 - F4.5/ 3.4-122.4 mm	F1.4-F3.0/ 4.1-73.8 mm
Iris control	DC auto iris	DC auto iris	DC auto iris	DC auto iris
Horizontal angle of view	Approx. 48° - 2.8°	Approx. 54.3°-2.2°	Approx. 57.8°-1.7°	Approx. 48° - 2.8°
IR filtering	Included IR Cut filter	Included IR Cut filter	Included IR Cut filter	Included IR Cut filter
Format and coding				
Video/audio compression	MPEG-2, MPEG-4, MJPEG (H.264 tentative) / MPEG-1 Layer 2 (G.722 tentative)	MPEG-2, MPEG-4, MJPEG (H.264 tentative) / MPEG-1 Layer 2 (G.722 tentative)	MPEG-2, MPEG-4, MJPEG (H.264 tentative) / MPEG-1 Layer 2 (G.722 tentative)	MPEG-2, MPEG-4, MJPEG (H.264 tentative) / MPEG-1 Layer 2 (G.722 tentative)
Frame rate	6.25 / 12.5 / 25 fps	6.25 / 12.5 / 25 fps	6.25 / 12.5 / 25 fps	6.25 / 12.5 / 25 fps
Video/audio bit rate	Up to 16 Mbps (6 Mbps typical) / up to 384 kbps	Up to 16 Mbps (6 Mbps typical) / up to 384 kbps	Up to 16 Mbps (6 Mbps typical) / up to 384 kbps	Up to 16 Mbps (6 Mbps typical) / up to 384 kbps
Resolution	QCIF, CIF, 2CIF, Half D1, 4CIF, Full D1	QCIF, CIF, 2CIF, Half D1, 4CIF, Full D1	QCIF, CIF, 2CIF, Half D1, 4CIF, Full D1	QCIF, CIF, 2CIF, Half D1, 4CIF, Full D1
Interfaces				
Video outputs	1x CVBS/cinch (analogue preview)	1x CVBS/cinch (analogue preview)	1x CVBS/cinch (analogue preview)	1x CVBS/cinch (analogue preview)
Audio inputs	1x 3.5 mm phone jack (Line IN)	1x 3.5 mm phone jack (Line IN)	1x 3.5 mm phone jack (Line IN)	1x 3.5 mm phone jack (Line IN)
Ethernet	1x RJ45, 10BASE-T/100BASE-TX	1x RJ45, 10BASE-T/100BASE-TX	1x RJ45, 10BASE-T/100BASE-TX	1x RJ45, 10BASE-T/100BASE-TX
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP
Video buffer	64MB RAM ring storage (pre- and post alarm, network failure compensation)	64MB RAM ring storage (pre- and post alarm, network failure compensation)	64MB RAM ring storage (pre- and post alarm, network failure compensation)	64MB RAM ring storage (pre- and post alarm, network failure compensation)
Programming interface	Open API for 3rd party systems integration via Dallmeier ActiveX*	Open API for 3rd party systems integration via Dallmeier ActiveX*	Open API for 3rd party systems integration via Dallmeier ActiveX*	Open API for 3rd party systems integration via Dallmeier ActiveX*
Further specifications				
Video norm	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)
Voltage supply	24/28V AC +/- 10% (50/60 Hz)	24/28V AC +/- 10% (50/60 Hz)	24/28V AC +/- 10% (50/60 Hz)	24/28V AC +/- 10% (50/60 Hz)
Power consumption	DDZ3 018-IM/HS/IP: max. 24 W DDZ3 018-SM/HS/IP: max. 24 W DDZ3 018-WM/HS/IP: max. 88 W	DDZ3 026-IM/HS/IP: max. 24 W DDZ3 026-SM/HS/IP: max. 24 W DDZ3 026-WM/HS/IP: max. 88 W	DDZ3 036-IM/HS/IP: max. 24 W DDZ3 036-SM/HS/IP: max. 24 W DDZ3 036-WM/HS/IP: max. 88 W	DDZ3 018-IM/RP/IP: max. 24 W DDZ3 018-SM/RP/IP: max. 24 W DDZ3 018-WM/RP/IP: max. 88 W
Dimensions	DDZ3 018-IM/HS/IP: approx. Ø 227 x H 208 mm DDZ3 018-SM/HS/IP: approx. Ø 155 x H 206 mm DDZ3 018-WM/HS/IP: approx. Ø 259 x H 330 mm	DDZ3 026-IM/HS/IP: approx. Ø 227 x H 208 mm DDZ3 026-SM/HS/IP: approx. Ø 155 x H 206 mm DDZ3 026-WM/HS/IP: approx. Ø 259 x H 330 mm	DDZ3 036-IM/HS/IP: approx. Ø 227 x H 208 mm DDZ3 036-SM/HS/IP: approx. Ø 155 x H 206 mm DDZ3 036-WM/HS/IP: approx. Ø 259 x H 330 mm	DDZ3 018-IM/RP/IP: approx. Ø 227 x H 208 mm DDZ3 018-SM/RP/IP: approx. Ø 155 x H 206 mm DDZ3 018-WM/RP/IP: approx. Ø 259 x H 330 mm
Weight	DDZ3 018-IM/HS/IP: approx. 2025 g DDZ3 018-SM/HS/IP: approx. 1755 g DDZ3 018-WM/HS/IP: approx. 4425 g	DDZ3 026-IM/HS/IP: approx. 2025 g DDZ3 026-SM/HS/IP: approx. 1755 g DDZ3 026-WM/HS/IP: approx. 4425 g	DDZ3 036-IM/HS/IP: approx. 2025 g DDZ3 036-SM/HS/IP: approx. 1755 g DDZ3 036-WM/HS/IP: approx. 4425 g	DDZ3 018-IM/RP/IP: approx. 2025 g DDZ3 018-SM/RP/IP: approx. 1755 g DDZ3 018-WM/RP/IP: approx. 4425 g
Operating temperature	DDZ3 018-IM/HS/IP (indoor): -10°C - 40°C DDZ3 018-SM/HS/IP (indoor): -10°C - 40°C DDZ3 018-WM/HS/IP (outdoor): -30°C - 50°C	DDZ3 026-IM/HS/IP (indoor): -10°C - 40°C DDZ3 026-SM/HS/IP (indoor): -10°C - 40°C DDZ3 026-WM/HS/IP (outdoor): -30°C - 50°C	DDZ3 036-IM/HS/IP (indoor): -10°C - 40°C DDZ3 036-SM/HS/IP (indoor): -10°C - 40°C DDZ3 036-WM/HS/IP (outdoor): -30°C - 50°C	DDZ3 018-IM/RP/IP (indoor): -10°C - 40°C DDZ3 018-SM/RP/IP (indoor): -10°C - 40°C DDZ3 018-WM/RP/IP (outdoor): -30°C - 50°C
Humidity	0% - 90% RH non-condensing	0% - 90% RH non-condensing	0% - 90% RH non-condensing	0% - 90% RH non-condensing
IP rating	IP67 (weather-proof variant)	IP67 (weather-proof variant)	IP67 (weather-proof variant)	IP67 (weather-proof variant)
Approvals/certifications	CE, FCC, UL, ACA, CB, DIN EN 50130-4	CE, FCC, UL, ACA, CB, DIN EN 50130-4	CE, FCC, UL, ACA, CB, DIN EN 50130-4	CE, FCC, UL, ACA, CB, DIN EN 50130-4

Overview encoders/streamers



MicroStreamer-PoE



DIS-2/M UTP



DIS-2/M StreamerPro UTP



DIS-2/M StreamerPro HDD Large UTP

Operating mode	Encoding, streaming	Encoding, recording, streaming, live display, playback	Encoding, streaming, live display	Encoding, recording, streaming, live display, playback
Max. video encoder channels	1x analogue video channel	1x analogue video channel	1x analogue video channel	1x analogue video channel
Supported cameras	Analogue cameras of Dallmeier and of third party	Analogue cameras of Dallmeier and of third party	Analogue cameras of Dallmeier and of third party	Analogue cameras of Dallmeier and of third party
Supported video/audio formats	MPEG-2, MPEG-4, MJPEG / MPEG-1 Layer 2	MPEG-2, MPEG-4, MJPEG / MPEG-1 Layer 2	MPEG-2, MPEG-4, MJPEG / MPEG-1 Layer 2	MPEG-2, MPEG-4, MJPEG / MPEG-1 Layer 2
Frame rate per encoder channel	Up to 25 fps / 30 fps	Up to 25 fps / 30 fps	Up to 25 fps / 30 fps	Up to 25 fps / 30 fps
Resolution per encoder channel	D1, 4CIF, Half D1, 2CIF, CIF, QCIF	D1, 4CIF, Half D1, 2CIF, CIF, QCIF	D1, 4CIF, Half D1, 2CIF, CIF, QCIF	D1, 4CIF, Half D1, 2CIF, CIF, QCIF
Interfaces				
Video inputs	1x CVBS/BNC	1x CVBS/BNC, 1x S-video, 1x UTP/RJ45	1x CVBS/BNC, 1x S-video, 1x UTP/RJ45	1x CVBS/BNC, 1x S-video, 1x UTP/RJ45
Audio inputs	1 x 3.5 mm phone jack (stereo)	1 x 3.5 mm phone jack (Aux-Line IN, stereo)	1 x 3.5 mm phone jack (Aux-Line IN, stereo)	1 x 3.5 mm phone jack (Aux-Line IN, stereo)
Ethernet	1x RJ45, 10/100 Mbps	1x RJ45, 10/100 Mbps	1x RJ45, 10/100 Mbps	1x RJ45, 10/100 Mbps
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP
Contact IN / relay OUT	-	4x, each 1 function / 4x, as NC or NO	4x, each 1 function / 4x, as NC or NO	4x, each 1 function / 4x, as NC or NO
Serial	1x RS485	1x RS485	1x RS485	1x RS485
Integrated functions				
Configuration	Via web browser	Via web browser	Via web browser	Via web browser
Recording mode	-	Permanent, motion, contact	-	Permanent, motion, contact
Motion detection	Integrated	Integrated	Integrated	Integrated
SmartFinder	-	Integrated	-	Integrated
Dual Stream	-	Optional activation	Optional activation	Optional activation
UTC compatibility	-	Integrated	Integrated	Integrated
Languages	German, English, French, Italian (others on request)	German, English, French, Italian (others on request)	German, English, French, Italian (others on request)	German, English, French, Italian (others on request)
Further specifications				
Exchangeable hard disks	-	-	-	Up to 1x 3.5" (optional)
Internal hard disks	64MB RAM ring buffer (pre- and post alarm, network failure compensation)	Up to 2x 3.5" (optional)	-	-
Max. storage capacity	-	Up to 2 TB	-	Up to 1 TB
Video norm	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)
Voltage supply	24V AC +/- 10% (50/60 Hz) oder via PoE (Class 0)	12V DC +/- 5%	12V DC +/- 10%	12V DC +/- 5%
Power consumption	Max. 6 W	Max. 25 W	Max. 25 W	Max. 17 W
Heating power	Max. 20 BTU/h	Max. 85 BTU/h	Max. 85 BTU/h	Max. 58 BTU/h
Operating temperature	-10°C - 45°C, recommended 0°C - 35°C	+5°C - 40°C	+5°C - 40°C	+5°C - 40°C
Humidity	0 - 90% RH non-condensing	5 - 70% RH non-condensing	5 - 70% RH non-condensing	5 - 70% RH non-condensing
Operating system	Linux	Linux	Linux	Linux
Dimensions (W x H x D)	Approx. 45 x 45 x 108 mm	Approx. 41 x 129 x 228 mm (without HDDs) Approx. 41 x 129 x 378 mm (with 1x HDD) Approx. 41 x 129 x 538 mm (with 2x HDDs)	Approx. 129 x 44 (1HU) x 245 mm	Approx. 129 x 88 (2HU) x 245 mm
Weight	Approx. 0.25 kg	Approx. 2.5 kg	Approx. 1 kg	Approx. 2 kg
Applicability	Stand-alone	In a 19" module rack	In a 19" module rack or stand-alone	Stand-alone
Used in	Office, control and server rooms	Control and server rooms	Office, control and server rooms	Office, control and server rooms
Approvals/certifications	CE	CE, UL, CB, Kalagate	CE	CE

Overview encoders/streamers



DIS-2/M NSU

Operating mode	Streaming, recording, live display, playback
Max. video encoder channels	-
Supported cameras	IP cameras of Dallmeier and of third party, incl. megapixel and high-definition cameras
Supported video/audio formats	MPEG-2, MPEG-4, MJPEG, H.264 / MPEG-1 Layer 2, G.722
Frame rate per encoder channel	Up to 50 fps / 60 fps
Resolution per encoder channel	SD, HD (720p, 1080i, 1080p), up to 8MP
Interfaces	
Video inputs	-
Audio inputs	-
Ethernet	1x RJ45, 10/100 Mbps
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP
Contact IN / relay OUT	4x, each 1 function / 4x, as NC or NO
Serial	-
Integrated functions	
Configuration	Via web browser
Recording mode	Permanent, motion, contact
Motion detection	Integrated
SmartFinder	Integrated
Dual Stream	-
UTC compatibility	-
Languages	German, English, French, Italian (others on request)
Further specifications	
Exchangeable hard disks	-
Internal hard disks	Up to 2x 3.5" (optional)
Max. storage capacity	Up to 2 TB
Video norm	HDTV, SDTV (PAL/NTSC)
Voltage supply	12V DC +/-5%
Power consumption	Max. 17 W
Heating power	Max. 58 BTU/h
Operating temperature	+5°C - 40°C
Humidity	5 - 70% RH non-condensing
Operating system	Linux
Dimensions (W x H x D)	Approx. 41 x 129 x 228 mm (without HDDs) Approx. 41 x 129 x 378 mm (with 1x HDD) Approx. 41 x 129 x 538 mm (with 2x HDDs)
Weight	Max. 2.5 kg
Applicability	In a 19" module rack
Used in	Control and server rooms
Approvals/certifications	CE, UL, CB, Kalagate



Overview decoders



DIS-2 Multi-D HD



DIS-2/M DecoderPro HD



EDS-1 HD



WSD-2 HD

Operating mode	Decoding, recording, live display, playback	Decoding, live display	Decoding, encoding, recording, live display, playback	Decoding, recording, live display, playback
Max. video decoder channels	1x IP based video channel	1x IP based video channel	1x IP based video channel	2x IP based video channels
Max. video encoder channels	-	-	1x analogue video channel	-
Supported cameras	IP cameras of Dallmeier and of third party, incl. megapixel and high-definition cameras	IP cameras of Dallmeier and of third party, incl. megapixel and high-definition cameras	Analogue and IP cameras of Dallmeier and of third party, incl. megapixel and high-definition cameras	IP cameras of Dallmeier and of third party, incl. megapixel and high-definition cameras
Supported video/audio formats	MPEG-2, MPEG-4, MJPEG, H.264 / MPEG-1 Layer 2, G.722	MPEG-2, MPEG-4, MJPEG, H.264 / MPEG-1 Layer 2, G.722	MPEG-2, MPEG-4, MJPEG, H.264 / MPEG-1 Layer 2, G.722	MPEG-2, MPEG-4, MJPEG, H.264 / MPEG-1 Layer 2, G.722
Frame rate per decoder channel (HDTV)	Up to 50 fps / 60 fps	Up to 50 fps / 60 fps	Up to 50 fps / 60 fps	Up to 50 fps / 60 fps
Frame rate per decoder channel (SDTV)	Up to 25 fps / 30 fps	Up to 25 fps / 30 fps	Up to 25 fps / 30 fps	Up to 25 fps / 30 fps
Frame rate per encoder channel	-	-	Up to 25 fps at 4CIF, DCIF, 2CIF, CIF, QCIF	-
Resolution per decoder channel (HDTV)	720p, 1080i (1080p tentative)	720p, 1080i (1080p tentative)	720p, 1080i (1080p tentative)	720p, 1080i (1080p tentative)
Resolution per decoder channel (SDTV)	576p / 480p	576p / 480p	576p / 480p	576p / 480p
Resolution per encoder channel	-	-	D1, 4CIF, Half D1, 2CIF, CIF, QCIF	-
Interfaces				
Video inputs	-	-	1x CVBS/BNC, 1x S-video, 1x UTP	-
Video outputs	1x HDMI, 1x CVBS/BNC	1x HDMI, 1x CVBS/BNC	1x HDMI, 1x CVBS/BNC	2x HDMI, 2x CVBS/BNC
Audio inputs	-	-	1x 3.5 mm phone jack (stereo)	-
Audio outputs	1x 3.5 mm phone jack (stereo)	1x 3.5 mm phone jack (stereo)	1x 3.5 mm phone jack (stereo)	2x 3.5 mm phone jack (stereo)
Ethernet	1x RJ45, 10/100 Mbps	1x RJ45, 10/100/1000 Mbit	2x RJ45, 10/100/1000 Mbps	2x RJ45, 10/100/1000 Mbps
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP
Contact IN / relay OUT	-	-	4x, each 1 function / 4x, as NC or NO	-
Serial	1x RS232/RJ12	1x RS232/RJ12	Via web browser	2x RS232/RJ12
Integrated functions				
Configuration	Via web browser	Via web browser	Via web browser	Via web browser
Recording mode	Permanent	Permanent	Permanent (decoder channel) Permanent, motion, contact (encoder channel)	Permanent
Motion detection	-	-	Integrated (encoder channel)	-
SmartFinder	-	-	Integrated (encoder channel)	-
Dual Stream	-	-	Optional activation (encoder channel)	-
UTC compatibility	-	-	Integrated (encoder channel)	-
Languages	German, English, French, Italian (others on request)	German, English, French, Italian (others on request)	German, English, French, Italian (others on request)	German, English, French, Italian (others on request)
Further specifications				
Exchangeable hard disks	-	-	Up to 2x 3.5" (optional)	Up to 2x 3.5" (optional)
Internal hard disks	Up to 2x 3.5" (optional)	-	-	-
Max. storage capacity	Up to 2 TB	-	Up to 2 TB	Up to 2 TB
Video norm	HDTV, SDTV (PAL/NTSC)	HDTV, SDTV (PAL/NTSC)	HDTV, SDTV (PAL/NTSC)	HDTV, SDTV (PAL/NTSC)
Voltage supply	12V DC +/-5%	12V DC +/-10%	12V DC +/-5%	12V DC +/-5%
Power consumption	Max. 25 W	Max. 25 W	Max. 50 W	Max. 50 W
Heating power	Max. 85 BTU/h	Max. 85 BTU/h	Max. 170 BTU/h	Max. 170 BTU/h
Operating temperature	+5°C - 40°C	+5°C - 40°C	+5°C - 40°C	+5°C - 40°C
Humidity	5 - 70% RH non-condensing	5 - 70% RH non-condensing	5 - 70% RH non-condensing	5 - 70% RH non-condensing
Operating system	Linux	Linux	Linux	Linux
Fan	-	-	2x	2x
Dimensions (W x H x D)	Approx. 41 x 129 x 228 mm (without HDDs) Approx. 41 x 129 x 378 mm (with 1x HDD) Approx. 41 x 129 x 538 mm (with 2x HDDs)	Approx. 129 x 44 x 245 mm	Approx. 425 x 44 (1HU) x 351 mm	Approx. 425 x 44 (1HU) x 351 mm
Weight	Approx. 2.5 kg	Approx. 1 kg	8 - 10 kg	8 - 10 kg
Applicability	In a 19" module rack	In a 19" module rack or stand-alone	In a 19" rack via 19" brackets or stand-alone	In a 19" rack via 19" brackets or stand-alone
Used in	Control and server rooms	Office, control and server rooms	Control and server rooms	Control and server rooms
Approvals/certifications	CE, UL, CB, Kalagate	CE	CE, FCC, ACA, DIN EN 50130-4	CE, FCC, ACA, DIN EN 50130-4, CE, ACA, DIN EN 50130-4

Overview hybrid recorders



DMS 80



DMS 160



DMS 240



DMS 240 HSR

Max. video channels	8x analogue and 16x IP based channels	16x analogue and 8x IP based channels	24x analogue and 16x IP based channels (max. 24 channels in total)	24x analogue and 16x IP based channels (max. 24 channels in total)
Supported cameras	Analogue and IP cameras of Dallmeier and of third party, incl. megapixel and high-definition cameras	Analogue and IP cameras of Dallmeier and of third party, incl. megapixel and high-definition cameras	Analogue and IP cameras of Dallmeier and of third party, incl. megapixel and high-definition cameras	Analogue cameras of Dallmeier and of third party, incl. megapixel and high-definition cameras
Video/audio compression	H.264, MPEG-4, MJPEG / G.722.1, MPEG-1 Layer 2	H.264, MPEG-4, MJPEG / G.722.1, MPEG-1 Layer 2	H.264, MPEG-4, MJPEG / G.722.1, MPEG-1 Layer 2	H.264, MPEG-4, MJPEG / G.722.1, MPEG-1 Layer 2
Operating mode	PentaplexPlus: recording, streaming, live display, playback, remote access	PentaplexPlus: recording, streaming, live display, playback, remote access	PentaplexPlus: recording, streaming, live display, playback, remote access	PentaplexPlus: recording, streaming, live display, playback, remote access
Split display	1, 4, 9, 13, 16, 25 (IP cameras only via PView)	1, 4, 9, 13, 16, 25 (IP cameras only via PView)	1, 4, 9, 13, 16, 25 (IP cameras only via PView)	1, 4, 9, 13, 16, 25 (IP cameras only via PView)
Display resolution	4CIF, DCIF, 2CIF, CIF, QCIF (analogue) D1, 4CIF, Half D1, 2CIF, CIF, QCIF (IP)	4CIF, DCIF, 2CIF, CIF, QCIF (analogue) D1, 4CIF, Half D1, 2CIF, CIF, QCIF (IP)	4CIF, DCIF, 2CIF, CIF, QCIF (analogue) D1, 4CIF, Half D1, 2CIF, CIF, QCIF (IP)	4CIF, DCIF, 2CIF, CIF, QCIF (analogue) D1, 4CIF, Half D1, 2CIF, CIF, QCIF (IP)
Recording resolution	SD, HD (720p, 1080i, 1080p), up to 8MP	SD, HD (720p, 1080i, 1080p), up to 8MP	SD, HD (720p, 1080i, 1080p), up to 8MP	SD, HD (720p, 1080i, 1080p), up to 8MP
Recording mode	Permanent, motion, contact, variable recording mode (VRM)	Permanent, motion, contact, timer, variable recording mode (VRM)	Permanent, motion, contact, timer, variable recording mode (VRM)	Permanent, motion, contact, timer, variable recording mode (VRM)
Frame rate per analogue channel	Up to 3 fps at 4CIF Up to 4 fps at DCIF Up to 5 fps at 2CIF Up to 12 fps at CIF Up to 25 fps at QCIF	Up to 3 fps at 4CIF Up to 4 fps at DCIF Up to 5 fps at 2CIF Up to 12 fps at CIF Up to 25 fps at QCIF	Up to 12 fps at 4CIF Up to 16 fps at DCIF Up to 16 fps at 2CIF Up to 25 fps at CIF Up to 25 fps at QCIF	Up to 25 fps at 4CIF Up to 25 fps at DCIF Up to 25 fps at 2CIF Up to 25 fps at CIF Up to 25 fps at QCIF
Frame rate per IP based channel	6.25 / 12.5 / 25 fps at D1, 4CIF, Half D1, 2CIF, CIF, QCIF	6.25 / 12.5 / 25 fps at D1, 4CIF, Half D1, 2CIF, CIF, QCIF	6.25 / 12.5 / 25 fps at D1, 4CIF, Half D1, 2CIF, CIF, QCIF	6.25 / 12.5 / 25 fps at D1, 4CIF, Half D1, 2CIF, CIF, QCIF
Bit rate per analogue channel	Up to 1.5 Mbps	Up to 1.5 Mbps	Up to 2 Mbps	Up to 2 Mbps
Bit rate with up to 8 IP channels	Up to 4 Mbps	Up to 4 Mbps	Up to 4 Mbps	Up to 4 Mbps
Bit rate with up to 16 IP channels	Up to 3 Mbps	-	Up to 3 Mbps	Up to 3 Mbps
Integrated / optional functions				
Management software	PView 7 Light	PView 7 Light	PView 7 Light	PView 7 Light
Configuration software	DMS NetConfig	DMS NetConfig	DMS NetConfig	DMS NetConfig
UTC control	Integrated	Integrated	Integrated	Integrated
Privacy Zones	Integrated	Integrated	Integrated	Integrated
Motion detection	Integrated	Integrated	Integrated	Integrated
SEDOR® camera sabotage protection	Optional activation	Optional activation	Integrated	Integrated
Dual Stream	-	-	Optional activation	Optional activation
SmartFinder	Integrated	Integrated	Integrated	Integrated
Audio for all channels	Optional activation	Optional activation	Integrated	Integrated
Track modes	Standard, automatic, manual	Standard, automatic, manual	Standard, automatic, manual	Standard, automatic, manual
D/N-RC (Day/Night Remote Control)	Optional activation	Optional activation	Optional activation	Optional activation
SmartFinder advance	Optional activation	Optional activation	Optional activation	Optional activation
Activation additional video channels	Up to 16 IP based video channels	Up to 8 IP based video channels	Up to 16 analogue and 16 IP based video channels (in total 24 channels)	Up to 16 analogue and 16 IP based video channels (in total 24 channels)
Interfaces				
Camera inputs	8x CVBS/BNC, with loop-through	16x CVBS/BNC, with loop-through	24x CVBS/BNC, with loop-through	24x CVBS/BNC, with loop-through
Video outputs	4x CVBS/BNC with loop-through, 1x VGA, 1x DVI-I (optional)	4x CVBS/BNC with loop-through, 1x VGA, 1x DVI-I (optional)	4x CVBS/BNC with loop-through, 1x VGA, 1x DVI-I (optional)	4x CVBS/BNC, 1x VGA, 1x DVI-I (optional)
Aux-Line IN/Mic IN/Audio OUT	1x 3.5 mm phone jack / 1x 3.5 mm phone jack / 1x 3.5 mm phone jack	1x 3.5 mm phone jack / 1x 3.5 mm phone jack / 1x 3.5 mm phone jack	1x 3.5 mm phone jack / 1x 3.5 mm phone jack / 1x 3.5 mm phone jack	1x 3.5 mm phone jack / 1x 3.5 mm phone jack / 1x 3.5 mm phone jack
Audio inputs	8x	16x	24x	24x
Ethernet	1x RJ45, 10/100/1000 Mbps	1x RJ45, 10/100/1000 Mbps	1x RJ45, 10/100/1000 Mbps	1x RJ45, 10/100/1000 Mbps
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP
Contact IN / relay OUT	14x, each 4 functions / 5x, configurable as NO or NC	22x, each 4 functions / 5x, configurable as NO or NC	30x, each 4 functions / 5x, configurable as NO or NC	30x, each 4 functions / 5x, configurable as NO or NC
Serial / parallel / USB / PS/2	2x RS232, 1x RS485 (optional) / 1x IEEE 1284 / 3x USB 2.0 / Mouse, keyboard	2x RS232, 1x RS485 (optional) / 1x IEEE 1284 / 3x USB 2.0 / Mouse, keyboard	2x RS232, 1x RS485 (optional) / 1x IEEE 1284 / 3x USB 2.0 / Mouse, keyboard	2x RS232, 1x RS485 (optional) / 1x IEEE 1284 / 3x USB 2.0 / Mouse, keyboard
Further specifications				
Exchangeable hard disks	Up to 2x 3.5" (optional)	Up to 2x 3.5" (optional)	Up to 2x 3.5" (optional)	Up to 2x 3.5" (optional)
Max. storage capacity	Up to 4 TB	Up to 4 TB	Up to 4 TB	Up to 4 TB
Archiving medium	SlimLine DVD-RW drive (optional)	SlimLine DVD-RW drive (optional)	SlimLine DVD-RW drive (optional)	SlimLine DVD-RW drive (optional)
Voltage supply	110/230V AC +/- 10% (50/60 Hz)	110/230V AC +/- 10% (50/60 Hz)	110/230V AC +/- 10% (50/60 Hz)	110/230V AC +/- 10% (50/60 Hz)
Power consumption	Max. 130 W	Max. 130 W	Max. 130 W	Max. 130 W
Heat power	Max. 444 BTU/h	Max. 444 BTU/h	Max. 444 BTU/h	Max. 444 BTU/h
Dimensions (W x H x D)	Approx. 425 x 133 (3HU) x 445 mm	Approx. 425 x 133 (3HU) x 445 mm	Approx. 425 x 133 (3HU) x 445 mm	Approx. 425 x 133 (3HU) x 445 mm
Operating temperature	5° - 40° C, 20° - 25° C recommended	5° - 40° C, 20° - 25° C recommended	5° - 40° C, 20° - 25° C recommended	5° - 40° C, 20° - 25° C recommended
Humidity	5 - 70% RH non-condensing	5 - 70% RH non-condensing	5 - 70% RH non-condensing	5 - 70% RH non-condensing
Atmospheric load	Dust-free	Dust-free	Dust-free	Dust-free
Weight	10 - 12 kg	10 - 12 kg	10 - 12 kg	10 - 12 kg
Fan	3x with automatic speed adaptation	3x with automatic speed adaptation	3x with automatic speed adaptation	3x with automatic speed adaptation
Voltage output	12V DC +/- 5%	12V DC +/- 5%	12V DC +/- 5%	12V DC +/- 5%
Operating system	Linux	Linux	Linux	Linux
Languages	German, English, French, Spanish (others on request)	German, English, French, Spanish (others on request)	German, English, French, Spanish (others on request)	German, English, French, Spanish (others on request)
Approvals/certifications	CE, FCC, UL, ACA, CB, Kalagate, DIN EN 50130-4	CE, FCC, UL, ACA, CB, Kalagate, DIN EN 50130-4	CE, FCC, UL, ACA, CB, Kalagate, DIN EN 50130-4	CE, FCC, UL, ACA, CB, Kalagate, DIN EN 50130-4
VdS certification	Only if ordering VdS-Mounting-Kit	Only if ordering VdS-Mounting-Kit	Only if ordering VdS-Mounting-Kit	Only if ordering VdS-Mounting-Kit

Overview H.264 recorders



DLS 4



DLS 8



DLS 8 Plus



DLS 16

Standard / max. video channels	4x / 8x analogue video channels	8x analogue video channels	8x analogue video channels	16x analogue video channels
Supported cameras	Dallmeier and third party analogue cameras	Dallmeier and third party analogue cameras	Dallmeier and third party analogue cameras	Dallmeier and third party analogue cameras
Operating mode	PentaplexPlus: recording, streaming, live display, playback, remote access	PentaplexPlus: recording, streaming, live display, playback, remote access	PentaplexPlus: recording, streaming, live display, playback, remote access	PentaplexPlus: recording, streaming, live display, playback, remote access
Recording mode	Permanent, motion, contact, timer	Permanent, motion, contact, timer	Permanent, motion, contact, timer	Permanent, motion, contact, timer
Split display	1, 4, 9	1, 4, 9	1, 4, 9	1, 4, 9, 13, 16
Video/audio compression	H.264 / G.722.1	H.264 / G.722.1	H.264 / G.722.1	H.264 / G.722.1
Display resolution	4CIF, DCIF, 2CIF, CIF, QCIF	4CIF, DCIF, 2CIF, CIF, QCIF	4CIF, DCIF, 2CIF, CIF, QCIF	4CIF, DCIF, 2CIF, CIF, QCIF
Frame rate per analogue channel	Up to 3 fps at 4CIF Up to 4 fps at DCIF Up to 5 fps at 2CIF Up to 12 fps at CIF Up to 25 fps at QCIF	Up to 3 fps at 4CIF Up to 4 fps at DCIF Up to 5 fps at 2CIF Up to 12 fps at CIF Up to 25 fps at QCIF	Up to 12 fps at 4CIF Up to 12 fps at DCIF Up to 16 fps at 2CIF Up to 25 fps at CIF	Up to 3 fps at 4CIF Up to 4 fps at DCIF Up to 5 fps at 2CIF Up to 12 fps at CIF Up to 25 fps at QCIF
Bit rate per analogue channel	Up to 1.5 Mbps	Up to 1.5 Mbps	Up to 2 Mbps	Up to 1.5 Mbps
Integrated / optional functions				
Management software	PView 7 Light	PView 7 Light	PView 7 Light	PView 7 Light
Configuration software	DMS NetConfig	DMS NetConfig	DMS NetConfig	DMS NetConfig
UTC compatibility	Integrated	Integrated	Integrated	Integrated
Privacy Zones	Integrated	Integrated	Integrated	Integrated
Motion detection	Integrated	Integrated	Integrated	Integrated
SmartFinder	Integrated	Integrated	Integrated	Integrated
Track modes	Standard, manual, automatic	Standard, manual, automatic	Standard, manual, automatic	Standard, manual, automatic
Audio for all channels	Optional activation	Optional activation	Optional activation	Optional activation
D/N-RC (Day/Night Remote Control)	Optional activation	Optional activation	Optional activation	Optional activation
Activation of 2 further channels	Up to 2x 2 analogue Video channels (max. 8 video channels)	-	-	-
Interfaces				
Camera inputs	8x CVBS/BNC, with loop-through	8x CVBS/BNC, with loop-through	8x CVBS/BNC, with loop-through	16x CVBS/BNC, with loop-through
Video outputs	1x VGA, 2x CVBS/BNC	1x VGA, 2x CVBS/BNC	1x VGA, 2x CVBS/BNC	1x VGA, 2x CVBS/BNC
Audio inputs	8x	8x	8x	16x
Aux-Line IN/Mic IN/Audio OUT	1x 3.5 mm phone jack / - / 1x 3.5 mm phone jack	1x 3.5 mm phone jack / - / 1x 3.5 mm phone jack	1x 3.5 mm phone jack / - / 1x 3.5 mm phone jack	1x 3.5 mm phone jack / - / 1x 3.5 mm phone jack
Ethernet	1x RJ45, 10/100/1000 Mbps	1x RJ45, 10/100/1000 Mbps	1x RJ45, 10/100/1000 Mbps	1x RJ45, 10/100/1000 Mbps
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP
Contact IN / Relay OUT	14x, each 4 functions / 5x, as NO or NC	14x, each 4 functions / 5x, configurable as NO or NC	14x, each 4 functions / 5x, configurable as NO or NC	22x, each 4 functions / 5x, configurable as NO or NC
Serial IN / USB / PS/2	2x RS 232, 1x RS 485 / 5x USB 2.0 / Mouse, keyboard	2x RS232, 1x RS485 / 5x USB 2.0 / Mouse, keyboard	2x RS232, 1x RS485 / 5x USB 2.0 / Mouse, keyboard	2x RS232, 1x RS485 / 5x USB 2.0 / Mouse, keyboard
Further specifications				
Exchangeable hard disks	Up to 2x 3.5" (optional)	Up to 2x 3.5" (optional)	Up to 2x 3.5" (optional)	Up to 2x 3.5" (optional)
Max. storage capacity	Up to 4 TB	Up to 4 TB	Up to 4 TB	Up to 4 TB
Archiving medium	DVD-RW (optional)	DVD-RW (optional)	DVD-RW (optional)	DVD-RW (optional)
Video norm	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)
Voltage supply	12V DC +/- 5%	12V DC +/- 5%	12V DC +/- 5%	12V DC +/- 5%
Power consumption	Max. 70 W	Max. 70 W	Max. 70 W	Max. 70 W
Heating power	Max. 239 BTU/h	Max. 239 BTU/h	Max. 239 BTU/h	Max. 239 BTU/h
Dimensions (W x H x D)	425 x 88 (2HU) x 384 mm	425 x 88 (2HU) x 384 mm	425 x 88 (2HU) x 384 mm	425 x 88 (2HU) x 384 mm
Operating temperature	5° - 40° C, 20° - 25° C recommended	5° - 40° C, 20° - 25° C recommended	5° - 40° C, 20° - 25° C recommended	5° - 40° C, 20° - 25° C recommended
Humidity	5 - 70% RH non-condensing	5 - 70% RH non-condensing	5 - 70% RH non-condensing	5 - 70% RH non-condensing
Atmospheric load	Dust-free	Dust-free	Dust-free	Dust-free
Weight	9 - 10 kg	9 - 10 kg	9 - 10 kg	9 - 10 kg
Fan	2x with automatic speed adaptation	2x with automatic speed adaptation	2x with automatic speed adaptation	2x with automatic speed adaptation
Operating system	Linux	Linux	Linux	Linux
Languages	German, English, French, Spanish (others on request)	German, English, French, Spanish (others on request)	German, English, French, Spanish (others on request)	German, English, French, Spanish (others on request)
Approvals/certifications	CE, FCC, UL, ACA, UL, CB, DIN EN 50130-4	CE, FCC, UL, ACA, UL, CB, DIN EN 50130-4	CE, FCC, UL, ACA, UL, CB, DIN EN 50130-4	CE, FCC, UL, ACA, UL, CB, DIN EN 50130-4

Overview H.264 recorders



DLS 16 Plus

Standard / max. video channels	16x analogue video channels
Supported cameras	Dallmeier and third party analogue cameras
Operating mode	PentaplexPlus: recording, streaming, live display, playback, remote access
Recording mode	Permanent, motion, contact, timer
Split display	1, 4, 9, 13, 16
Video/audio compression	H.264 / G.722.1
Display resolution	4CIF, DCIF, 2CIF, CIF, QCIF
Frame rate per analogue channel	Up to 12 fps at 4CIF Up to 12 fps at DCIF Up to 16 fps at 2CIF Up to 25 fps at CIF Up to 25 fps at QCIF
Bit rate per analogue channel	Up to 2 Mbps
Integrated / optional functions	
Management software	PView 7 Light
Configuration software	DMS NetConfig
UTC compatibility	Integrated
Privacy Zones	Integrated
Motion detection	Integrated
SmartFinder	Integrated
Track modes	Standard, manual, automatic
Audio for all channels	Optional activation
D/N-RC (Day/Night Remote Control)	Optional activation
Activation of 2 further channels	-
Interfaces	
Camera inputs	16x CVBS/BNC, with loop-through
Video outputs	1x VGA, 2x CVBS/BNC
Audio inputs	16x
Aux-Line IN/Mic IN/Audio OUT	1x 3,5 mm phone jack / - / 1x 3,5 mm phone jack
Ethernet	1x RJ45, 10/100/1000 Mbps
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP
Contact IN / Relay OUT	22x, each 4 functions / 5x, configurable as NO or NC
Serial / USB / PS/2	2x RS232, 1x RS485 / 5x USB 2.0 / Mouse, keyboard
Further specifications	
Exchangeable hard disks	Up to 2x 3,5" (optional)
Max. storage capacity	Up to 4 TB
Archiving medium	DVD-RW (optional)
Video norm	SDTV (PAL/NTSC)
Voltage supply	12V DC +/- 5%
Power consumption	Max. 70 W
Heating power	Max. 239 BTU/h
Dimensions (W x H x D)	425 x 88 (2HU) x 384 mm
Operating temperature	5° - 40° C, 20° - 25° C recommended
Humidity	5 - 70% RH non-condensing
Atmospheric load	Dust-free
Weight	9 - 10 kg
Fan	2x with automatic speed adaptation
Operating system	Linux
Languages	German, English, French, Spanish (others on request)
Approvals/certifications	CE, FCC, UL, ACA, UL, CB, DIN EN 50130-4



Overview bank recorders



DLS 4 Bank



DMS 80 Bank



DMS 160 Bank



DMS 240 Bank

Standard / max. video channels	4x / 8x analogue video channels	8x analogue video channels	16x analogue video channels	8x / 16x / 24x analogue video channels
Supported cameras	Dallmeier and third party analogue cameras	Dallmeier and third party analogue cameras	Dallmeier and third party analogue cameras	Dallmeier and third party analogue cameras
Operating mode	PentaplexPlus: recording, streaming, live display, playback, remote access	PentaplexPlus: recording, streaming, live display, playback, remote access	PentaplexPlus: recording, streaming, live display, playback, remote access	PentaplexPlus: recording, streaming, live display, playback, remote access
Split display	1, 4, 9	1, 4, 9	1, 4, 9, 13, 16	1, 4, 9, 13, 16, 25
Video/audio compression	H.264 / G.722.1	H.264 / G.722.1	H.264 / G.722.1	H.264 / G.722.1
Resolution	4CIF, DCIF, 2CIF, CIF, QCIF	4CIF, DCIF, 2CIF, CIF, QCIF	4CIF, DCIF, 2CIF, CIF, QCIF	4CIF, DCIF, 2CIF, CIF, QCIF
Recording mode	Permanent, motion, contact, timer	Permanent, motion, contact, timer	Permanent, motion, contact, timer	Permanent, motion, contact, timer
Max. frame rate	Up to 200 fps	Up to 200 fps	Up to 400 fps	Up to 600 fps
Frame rate per channel	Up to 3 fps at 4CIF Up to 4 fps at DCIF Up to 5 fps at 2CIF Up to 12 fps at CIF Up to 25 fps at QCIF	Up to 3 fps at 4CIF Up to 4 fps at DCIF Up to 5 fps at 2CIF Up to 12 fps at CIF Up to 25 fps at QCIF	Up to 3 fps at 4CIF Up to 4 fps at DCIF Up to 5 fps at 2CIF Up to 12 fps at CIF Up to 25 fps at QCIF	Up to 12 fps at 4CIF Up to 16 fps at DCIF, 2CIF Up to 25 at CIF, QCIF
Bit rate per channel	Up to 1.5 Mbps	Up to 1.5 Mbps	Up to 1.5 Mbps	Up to 2 Mbps
Integrated / optional functions				
Management software	PView 7 Light	PView 7 Light	PView 7 Light	PView 7 Light
Configuration software	DMS NetConfig	DMS NetConfig	DMS NetConfig	DMS NetConfig
UTC compatibility	Integrated	Integrated	Integrated	Integrated
Privacy Zones	Integrated	Integrated	Integrated	Integrated
Motion detection	Integrated	Integrated	Integrated	Integrated
SmartFinder	Integrated	Integrated	Integrated	Integrated
Suspicion track (Verdachtspur)	Integrated	Integrated	Integrated	Integrated
Track modes	Standard	Standard	Standard	Standard
SEDOR® camera sabotage protection	Optional activation	Optional activation	Optional activation	Integrated
Dual Stream	-	-	-	Optional activation
ATM activity survey	Optional activation	Integrated	Integrated	Integrated
Browser live access	Integrated	Integrated	Integrated	Integrated
Audio for all channels	Optional activation	Optional activation	Optional activation	Integrated
D/N-RC (Day/Night Remote Control)	Optional activation	Optional activation	Optional activation	Optional activation
Activation of 2 further channels	Up to 2x 2 analogue video channels (max. 8 video channels)	-	-	-
Interfaces				
Camera inputs	8x CVBS/BNC, with loop-through	8x CVBS/BNC, with loop-through	16x CVBS/BNC, with loop-through	24x CVBS/BNC, with loop-through
Video outputs	2x CVBS/BNC, 1x VGA	4x CVBS/BNC, 1x VGA, 1x DVI-I (optional)	4x CVBS/BNC, 1x VGA, 1x DVI-I (optional)	4x CVBS/BNC, 1x VGA, 1x DVI-I (optional)
Audio inputs	8x	8x	16x	24x
Aux-Line IN/Mic IN/Audio OUT	1x 3.5 mm phone jack / - / 1x 3.5 mm phone jack	1x 3.5 mm phone jack / 1x 3.5 mm phone jack / 1x 3.5 mm phone jack	1x 3.5 mm phone jack / 1x 3.5 mm phone jack / 1x 3.5 mm phone jack	1x 3.5 mm phone jack / 1x 3.5 mm phone jack / 1x 3.5 mm phone jack
Ethernet	1x RJ45, 10/100/1000 Mbps	1x RJ45, 10/100/1000 Mbps	1x RJ45, 10/100/1000 Mbps	1x RJ45, 10/100/1000 Mbps
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP
Contact IN / relay OUT	14x, each 4 functions / 5x, configurable as NO or NC	14x, each 4 functions / 5x, configurable as NO or NC	22x, each 4 functions / 5x, configurable as NO or NC	30x, each 4 functions / 5x, configurable as NO or NC
Serial / parallel / USB / PS/2	2x RS232, 1x RS485 / - / 5x USB 2.0 / Mouse, keyboard	2x RS232, 1x RS485 (optional) / 1x IEEE 1284 / 3x USB 2.0 / Mouse, keyboard	2x RS232, 1x RS485 (optional) / 1x IEEE 1284 / 3x USB 2.0 / Mouse, keyboard	2x RS232, 1x RS485 (optional) / 1x IEEE 1284 / 3x USB 2.0 / Mouse, keyboard
Further specifications				
Exchangeable hard disks	Up to 2x 3.5" (optional)	Up to 2x 3.5" (optional)	Up to 2x 3.5" (optional)	Up to 2x 3.5" (optional)
Max. storage capacity	Up to 4 TB	Up to 4 TB	Up to 4 TB	Up to 4 TB
Archiving medium	DVD-RW drive (optional)	SlimLine DVD-RW drive (optional)	SlimLine DVD-RW drive (optional)	SlimLine DVD-RW drive (optional)
Video norm	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)	SDTV (PAL/NTSC)
Voltage supply	12V DC +/- 5%	110/230V AC +/- 10%, (50/60 Hz)	110/230V AC +/- 10%, (50/60 Hz)	110/230V AC +/- 10%, (50/60 Hz)
Power consumption	Max. 70 W	Max. 130 W	Max. 130 W	Max. 130 W
Heat power	Max. 239 BTU/h	Max. 444 BTU/h	Max. 444 BTU/h	Max. 444 BTU/h
Dimensions (W x H x D)	Approx. 425 x 88 (2HU) x 384 mm	Approx. 425 x 130 (3HU) x 446 mm	Approx. 425 x 130 (3HU) x 446 mm	Approx. 425 x 130 (3HU) x 446 mm
Operating temperature	5° - 40° C, 20° - 25° C recommended	5° - 40° C, 20° - 25° C recommended	5° - 40° C, 20° - 25° C recommended	5° - 40° C, 20° - 25° C recommended
Humidity	5 - 70% RH non-condensing	5 - 70% RH non-condensing	5 - 70% RH non-condensing	5 - 70% RH non-condensing
Atmospheric load	Dust-free	Dust-free	Dust-free	Dust-free
Fan	2x with automatic speed adaptation	3x with automatic speed adaptation	3x with automatic speed adaptation	3x with automatic speed adaptation
Weight	9 - 10 kg	10 - 12 kg	10 - 12 kg	10 - 12 kg
Operating system	Linux	Linux	Linux	Linux
Languages	German, English, French, Spanish (others on request)	German, English, French, Spanish (others on request)	German, English, French, Spanish (others on request)	German, English, French, Spanish (others on request)
Approvals/certifications	CE, FCC, UL, ACA, CB, DIN EN 50130-4, UVV-Kassen	CE, FCC, UL, ACA, Kalagate, CB, DIN EN 50130-4, UVV-Kassen	CE, UL, FCC, ACA, Kalagate, CB, DIN EN 50130-4, UVV-Kassen	CE, FCC, UL, ACA, Kalagate, CB, DIN EN 50130-4, UVV-Kassen
VdS certification	-	Only if ordering VdS-Mounting-Kit	Only if ordering VdS-Mounting-Kit	Only if ordering VdS-Mounting-Kit

Overview bank recorders



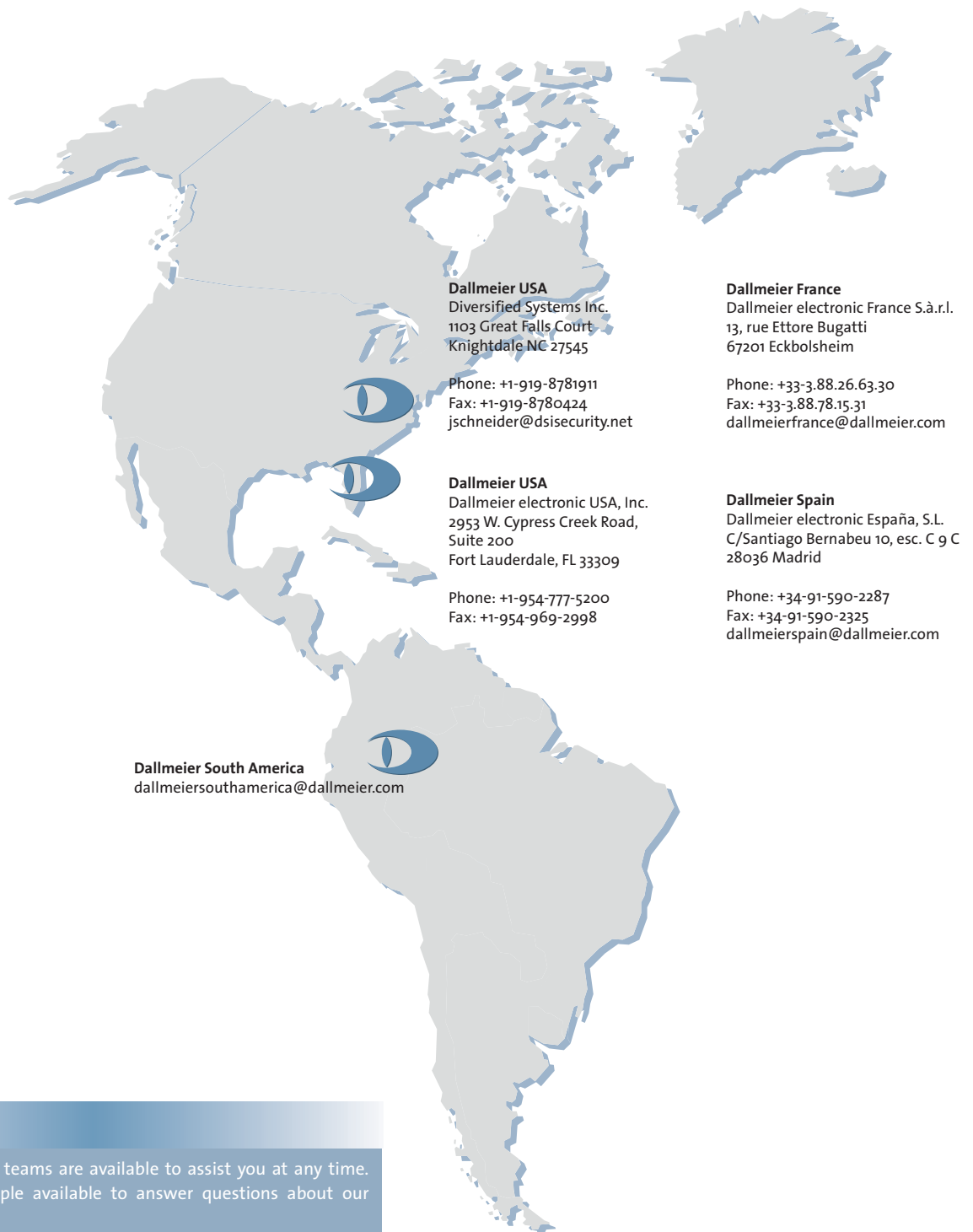
DMS 240 HSR Bank

Standard / max. video channels	8x / 16x / 24x analogue video channels
Supported cameras	Dallmeier and third party analogue cameras
Operating mode	PentaplexPlus: recording, streaming, live display, playback, remote access
Split display	1, 4, 9, 13, 16, 25
Video/audio compression	H.264 / G.722.1
Resolution	4CIF, DCIF, 2CIF, CIF, QCIF
Recording mode	Permanent, motion, contact, timer
Max. frame rate	Up to 600 fps
Frame rate per channel	Up to 25 fps at 4CIF, DCIF, 2CIF, CIF, QCIF
Bit rate per channel	Up to 2 Mbps
Integrated / optional functions	
Management software	PView 7 Light
Configuration software	DMS NetConfig
UTC compatibility	Integrated
Privacy Zones	Integrated
Motion detection	Integrated
SmartFinder	Integrated
Suspicion track (Verdachtspur)	Integrated
Track modes	Standard
SEDOR® camera sabotage protection	Integrated
Dual Stream	Optional activation
ATM activity survey	Integrated
Browser live access	Integrated
Audio for all channels	Integrated
D/N-RC (Day/Night Remote Control)	Optional activation
Activation of 2 further channels	-
Interfaces	
Camera inputs	24x CVBS/BNC, with loop-through
Video outputs	4x CVBS/BNC, 1x VGA, 1x DVI (optional)
Audio inputs	24x
Aux-Line IN/Mic IN/Audio OUT	1x 3.5 mm phone jack / 1x 3.5 mm phone jack / 1x 3.5 mm phone jack
Ethernet	1x RJ45, 10/100/1000 Mbps
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP
Contact IN / relay OUT	30x, each 4 functions / 5x, configurable as NO or NC
Serial / parallel / USB / PS/2	2x RS232, 1x RS485 (optional) / 1x IEEE 1284 / 3x USB 2.0 / Mouse, keyboard
Further specifications	
Exchangeable hard disks	Up to 2x 3.5" (optional)
Max. storage capacity	Up to 4 TB
Archiving medium	SlimLine DVD-RW drive (optional)
Video norm	SDTV (PAL/NTSC)
Voltage supply	110/230V AC +/- 10%, (50/60 Hz)
Power consumption	Max. 130 W
Heat power	Max. 444 BTU/h
Dimensions (W x H x D)	Approx. 425 x 130 (3HU) x 446 mm
Operating temperature	5° - 40° C, 20° - 25° C recommended
Humidity	5 - 70% RH non-condensing
Atmospheric load	Dust-free
Fan	3x with automatic speed adaptation
Weight	10 - 12 kg
Operating system	Linux
Languages	German, English, French, Spanish (others on request)
Approvals/certifications	CE, FCC, UL, ACA, Kalagate, CB, DIN EN 50130-4, UVV-Kassen
VdS certification	Only if ordering VdS-Mounting-Kit

Bank



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Our support and sales teams are available to assist you at any time. They have skilled people available to answer questions about our products.

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Worldwide support

Thanks to many local offices partners and customers dispose of a personal and competent support in order to satisfy all requirements of video surveillance projects.

With its approved know-how, Dallmeier assists you worldwide in the following fields:

- Support for offers
- Project planning
- Technical workshops and sales trainings
- Telephone support
- Technical support on-site and supporting commissioning
- Visiting reference customers
- Partner Forum

