

HD products by Dallmeier

HDTV cameras

HD and **CamInPIX®**: An unbeatable combination

HD technology is a sustainable high-resolution video standard with 16:9 image format. Nevertheless customers don't have to give up the proven advantages of the Dallmeier **CamInPIX®** technology. Dallmeier HD cameras are characterised by a high dynamic range and an outstanding adjustment. The result is highest colour fidelity and richness of detail, while the bit rate still remains low.

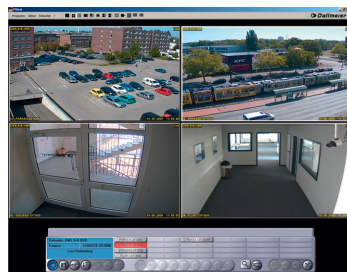
Full high-definition cameras from Dallmeier are characterised by:

- 1920x1080 native resolution
- Best zoom quality through unique SmartZoom functionality, because more detail means higher security!
- Made in Germany: Developed and manufactured by Dallmeier
- Specifically developed for security applications
- Highest image quality owing to **CamInPIX®** technology
- H.264 standard for highly efficient video compression
- Open API for an easy integration into third-party systems
- Independent testing institutes confirm highest quality standards: DIN EN 50130-4, CE, FCC, UL, ACA, CB

DDF4010HDV	DDF4110HDV	DDZ4010-YY/HS/HD DOMERA®	DDZ4110-YY/HS/HD DOMERA®
<ul style="list-style-type: none"> - Resolution: SD, HD (720p, 1080i, 1080p), frame rate up to 50 fps (depending on the resolution) - ICR function for Day/Night switching - Integrated SmartZoom functionality 	<ul style="list-style-type: none"> - Resolution: SD, HD (720p), frame rate up to 30 fps - ICR function for Day/Night switching - Integrated SmartZoom functionality 	<ul style="list-style-type: none"> - Resolution: SD, HD (720p, 1080i, 1080p) frame rate up to 50 fps (depending on the resolution) - ICR function for Day/Night switching - Integrated SmartZoom functionality 	<ul style="list-style-type: none"> - Resolution: SD, HD (720p) frame rate up to 30 fps (Depending on the resolution) - ICR function for Day/Night switching - Integrated SmartZoom functionality

Video management system PView HD

- HD ready, HDTV and SDTV simultaneously
- Camera control (PTZ) with low delay
- Image selection on external decoders/monitors
- Digital zoom



HDTV servers and decoders

- Picture storage in full resolution and frame rate for every camera
- Low delay for hardware and software
- Digital zooming into the recording
- Smooth image display of the recording, even in rewind
- BG Kassen approved
- VdS compliant recorder platform
- Interference radiation proof according to DIN EN 50130-4 for security systems

Dallmeier electronic GmbH & Co.KG
Cranachweg 1 - 93051 Regensburg - Germany
Phone +49 (0) 941 87 00-0
Fax +49 (0) 941 87 00-180
info@dallmeier.com
www.dallmeier.com

Your local Dallmeier distributor:

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Full-HDTV CCTV/IP solutions

Full-HDTV 1920 x 1080

**CamInPIX®
Technuology**

High-definition in security applications

The HD label does not necessarily imply the same quality in all cases! Did you know, for example, that you can only fully benefit from the advantages of an HD camera, if you also have appropriate compatible transmission and recording devices? Therefore, you should trust in a partner who develops products that are not meant for the mass market of consumer electronics, but rather destined for the professional security market with the highest demands in terms of quality and reliability!

Further information to all of our products can be found at:

www.dallmeier.com

www.dallmeier.com



HDTV broadcast systems are defined by:

- Number of lines (frame size):
e.g. 1280 x 720 or 1920 x 1080,
combined with i or p, depending on the
- Scanning system:
i = interlaced (image build-up by two separated, consecutive fields)
or
p = progressive scan (image build-up with progressive scan method)
- Frame rate:
is defined by the number of frames per second (fps): 25 or 30 frames
(sometimes indicated as 50 or 60 fields respectively)

High Definition – a step
ahead of Megapixel!

Number of lines		Scanning system	Frame rate
1080i/25	1080	i	25
	lines	= interlaced	frames
720p/50	720	p	50
	lines	= progressive scan	frames

SD vs. HD - Resolution

50% SD-Resolution 384 x 288 px

50% HD-Resolution 960 x 540 px

Zoom

Integration

You want to upgrade your existing Dallmeier system to HDTV technology? That's no problem because a system expansion is easily possible without having to exchange the existing equipment (investment protection). A mixed operation using existing peripheral technology is possible.

Moreover, all products by Dallmeier, from cameras to recorders and from storage systems up to video management, can be integrated into any kinds of third-party systems.



Complete End-to-End HD systems

The best HD camera is of no use, if the quality can't be transmitted, recorded, or archived. Therefore, Dallmeier offers complete HD End-to-End solutions. Watch out for the HD logo!

Discover new realms of security technology with Dallmeier!



DOMERA®



HD high-definition high-speed PTZ network dome camera



HD high-definition IP dome camera, vandal-resistant



DMS series „In Memory of Leonardo“ HD ready!



High-definition 1 channel multi decoder (DIS-2 Multi-D HD)



High-definition 1 channel encoder, decoder and streamer (EDS-1 HD)

High-definition 2 channel workstation decoder (WSD-2 HD)

SmartZoom functionality

The SmartZoom functionality allows for the recording and streaming of a certain area of an image (picture of interest). The relevant image area is cropped from the overall image, which reduces the size of the image without manipulating the resolution. Therefore, less storage capacity is required since unnecessary image material is not saved. Additionally, this means that more images can be transmitted per second.

