

DF4500HD



The ideal entry into the world of HD!

The DF4500HD is a 2 megapixel high-definition Cam_inPIX® colour IP box camera.

- 1/2.5" 5 megapixel CMOS image sensor with Cam_inPIX® technology
- Pure Digital Signal Processing
- High sensitivity: at F1.0, 50IRE: 1.6 lux
- Electronic Day/Night switching ¹⁾
- Enhanced image quality by means of numerous control functions such as AWB, AGC, and slow shutter
- Resolution: SD, HD (720p, 2MP)
- Frame rate up to 30 fps
- Video compression: H.264, MJPEG
- Simultaneous dual or tri-streaming
- Integrated motion detection with selectable sensitivity ²⁾
- Noise suppression
- Alarm notification via email and FTP image upload
- Local video memory SDHC card slot integrated
- Power supply: 12V DC, PoE
- Standard version delivered without lens
- DIN EN 50130-4 compliant

¹⁾ The electronic Day/Night switching is not realised through a mechanically switchable IR cut filter. Therefore, there is no ICR function available and hence no IR sensitivity.

²⁾ Tentative

Variants	
Item number	
200.419.2.100	DF4500HD 720p / electr. Day-Night / grey without lens

Options	
Item number	
200.516.1	EvC-1, High-Speed Ethernet data transmission via coaxial cable
210.401.1	F1.8/ 4-10mm, Megapixel vari-focal lens / DC autoiris
210.401.2	F1.8/ 4-10mm, Megapixel vari-focal lens / manual iris control
100.042	Universal power pack 110-240V AC / 12V DC, removable adapter EU/UK/US/AUS

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Technical specifications

Sensor	1/2.5" 5-Megapixel CMOS sensor
Signal processing	Digital Signal Processing
Image capture	Progressive
Transfer format	Progressive (full image)
Sensor resolution	5MP
B/W and colour mode	Automatic / manual
IR filtering	Included IR Cut filter
Day/Night functionality	Electronic switching (no mechanical ICR function)
Light sensitivity	At F1.0, 50IRE: 1.6 lux
Shutter speed	1/30 s to 1/1000 s
Signal to noise ratio (SNR)	> 45 dB
Digital noise reduction (DNR)	On/Off
Brightness adjustment (ALC/AE)	Automatic / manual
Automatic gain control (AGC)	Automatic / manual
Adjustable white balance	AWB
Configuration	Via web browser
Languages	English
Motion detection (VMD)	With selectable sensitivity (5 thresholds)
Alarm notification	Via ftp upload

Lens specifications

Mount	CS mount
Iris range/ focal length range	Standard version delivered without lens
Iris control	Manual, DC auto iris
Horizontal angle of view	-
Lens variants	Lens: F1.8/ 4-10 mm, (MP)

Format and coding

Video compression	H.264, MJPEG
HD standards	SMPTE 296M
Resolution	SD, HD (720p, 2MP)
Frame rate	Up to 5 fps at 2MP (MJPEG) Up to 30 fps at 720p (H.264) Up to 30 fps at D1 (H.264)
Video bit rate	Up to 8 Mbps (2 Mbps typical)
Video streaming	Simultaneous dual or tri-streaming: H.264, MJPEG

Interfaces

Video outputs	1x CVBS/BNC (Preview: analogue SD output) only for local installation
Audio outputs	1x 3.5 mm phone jack (Line OUT, mono)
Ethernet	1x RJ45, 10BASE-T-/100BASE-TX-PoE
Ethernet protocols	DHCP, HTTP, UDP, UPnP, FTP, SMTP, RTP
Local video memory	SDHC card

Further specifications

Video norm	HDTV, SDTV (PAL/NTSC)
Voltage supply	12V DC +/-10%, via PoE (Class 0)
PoE conformity	IEEE 802.3af
Power consumption	Max. 4 W
Dimensions	Approx. B 71 x H 66 x L 116 mm (without lens)
Weight	Approx. 300 g
Operating temperature	-10°C - 45°C, recommended 0°C - 35°C
Humidity	0% - 90% RH non-condensing
Approvals/certifications	CE

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Technical drawings

