

DF3000IP-PoE-DN



IP box camera (Day/Night)

The DF3000IP-PoE-DN is a high-resolution UWDR Cam_inPIX® colour IP box camera. It is ready for PoE and can also be operated with 24V AC power supply.

Features:

- Horizontal resolution: 540 TV lines
- 1/3" DPS* image sensor with Cam_inPIX® technology
- Digital Pixel System* chipset
- 17-bit Digital Signal Processing
- High light sensitivity at F0.95, 50IRE: 0.5 lux and (-DN) 0.2 lux
- Progressive image capture and image transmission
- ICR function for Day/Night switching
- Integrated Dallmeier Image Optimiser for perfect image quality, even under adverse lighting conditions
- Enhanced image quality by means of numerous control functions like AWB, AGC, BLC and extended slow shutter
- Integrated motion detection with selectable sensitivity
- Hybrid IP camera with analogue preview output
- Video compression with either MPEG-2/-4, MJPEG or H.264 1)
- Resolution up to D1 and frame rate up to 25 fps at all resolutions
- Alarm message via email and FTP image upload
- Integrated 64MB RAM video memory
- PoE capable
- Power supply: PoE or 24V AC
- Standard version delivered without lens 2)
- DIN EN 50130-4 compliant
- 1) In development
- 2) The use of IR corrected Day/Night lenses is recommended for IR lighting; Day lenses are only suitable for CasinoCam variants.

DF3000IP-PoE-DN

Technical specifications

Sensor	1/3" CMOS sensor with Cam_inPIX®
Signal processing	17-bit Digital Signal Processing
Dynamic range	102 dB typical - 120 dB max.
Video capture	Progressive
Transfer format	Progressive and PsF - Progressive With Segmented Frames
Image resolution	720 H x 540 V pixels
Horizontal resolution	540 TV lines
B/W and colour mode	Colour mode also in night mode selectable
Day/Night functionality	Mechanical ICR function for Day/Night switching
Light sensitivity	At F0.95, 50IRE: 0.5 lux, (-DN) 0.2 lux
Signal to noise ratio (SNR)	> 48 dB
Digital noise reduction (DNR)	On/Off
Brightness adjustment (ALC/AE)	Automatic / manual
Backlight compensation (BLC)	Adjustable backlight zone
Automatic gain control (AGC)	Brightness and gain limit adjustable 0-48 dB
Gamma correction	Automatic / manual
Adjustable white balance	ATW, AWB, MWB (2000K to 11000K)
AE presets	7 presets
Configuration	Via web browser
Languages	English, German, French, Spanish, Hungarian
Motion detection (VMD)	With selectable sensitivity
Alarm notification	Via e-mail and ftp upload

Lens specifications

Mount	CS mount, C mount with 5 mm adapter
Iris range/ focal length range	Standard version delivered without lens
Iris control	DC auto iris
IR filtering	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- Only with the lenses F0.95/ 2.8-8 mm and F1.5/ 15-50 mm

CasinoCam camera variants

Format and coding

Video/Audio compression	MPEG-2, MPEG-4, MJPEG (H.264 tentative) / MPEG-1 Layer 2 (G.722 tentative)
Frame rate	6.25 / 12.5 / 25 fps
Video/audio bit rate	Up to 16 Mbps / up to 384 kbps
Resolution	QCIF, CIF, 2CIF, Half D1, 4CIF, Full D1

Interfaces

Video outputs	1x CVBS/2,5 mm phone jack (analogue preview)
Audio inputs	1x 3.5 mm phone jack (Line IN)
Ethernet	1 x RJ45, 10BASE-T-/100BASE-TX-PoE
Ethernet protocols	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)
Serial	1x RS485
Programming interface	Open API for 3rd party systems integration via Dallmeier ActiveX*

Further specifications

Video norm	SDTV (PAL/NTSC)
Power supply	24V AC +/- 10% (50/60 Hz) or over PoE (class 0)
PoE conformity	IEEE 802.3af (no PoE adapter required)
Power consumption	Max. 6.5 W
Dimensions	Approx. W 45 x H 45 x L 115.6 mm
Weight	Approx. 250 g
Operating temperature	-10°C - 45°C, recommended 0°C - 35°C
Humidity	0% - 90% RH non-condensing
Approvals/certifications	CE, FCC, UL, ACA, UVV-Kassen, CB, DIN EN 50130-4