

PXA 270 – Powerful and Expandable eyeTWO camera

eyewatch Camera Systems provide high video quality and efficiency at the same time. They offer an open platform for advanced functionality, allowing video analysis by downloadable software applications directly and locally on-site. The technology relies on IT standards from the PC and Linux world. Applications that have been developed for central server systems can be easily imported to the platform eyewatch. eyewatch camera systems are so-called Smart or Edge Cameras and well prepared for future applications like intelligent video sensors, LPR and video analysis. By moving the intelligence and performance into the camera, the network is considerably relieved, simply structured and less expensive. Nevertheless, the performance of video technology improves. In addition, eyewatch systems offer all features and benefits of advanced IP megapixel cameras.



eyeTWO PXA 270

The eyewatch eyeTWO PXA 270 network camera is provided with two 5 megapixel image sensors (colour / black and white) which are automatically selected accordingly to lighting conditions. The black and white sensor will be used in difficult lighting conditions. Additionally, eyewatch cameras can be equipped with powerful internal infra-red lightings. As a result, these systems are ideal day and night cameras and can be used for all standard video surveillance tasks. They offer an opportunity to load and execute additional software apps to extend the functionality of the camera and automatize tasks. On account of these options the eyewatch platform constantly remains up to date with the latest technology and protects your investments in the CCTV system. The absence of moving parts, such as shutters and motors as well as the IP65 classified design, makes the system extremely robust and weatherproofed.

Benefits at a glance:

- **Brilliant image quality** due to 5 megapixel image sensors. Image enhancement and processing takes place in the eyewatch pre-processor, High-Performance chip with additional lens and pixel correction, scalers etc.
- **Apps for upgrading** downloadable software to enhance the features of the camera functionality
- **Reliable and powerful** day and night camera with optional IR- lights
- **All-weather-resistant** due to IP65 classified housing with weather protection, built-in wall, ceiling mount and concealed cabling

Technical Data

Camera:

Image Sensors: 1 x 1/2.5" CMOS, Progressive Scanning, 5 Megapixel colour
1 x 1/2.5" CMOS, Progressive Scanning, 5 Megapixel black and white

Lenses: 2 x 6 mm Glass Lens, F 1:1.8;
Horizontal Viewing Angle 54°

Optional

2 x 3,6 mm Glass Lens, F 1:1.8;
Horizontal Viewing Angle 90°
2 x 8 mm Glass Lens, F 1:1.8;
Horizontal Viewing Angle 39°
2 x 16 mm Glass Lens, F 1:1.8;
Horizontal Viewing Angle 20°

Minimum Light Intensity: Colour: 0,8 Lux
Black and white: 0,1 Lux

Shutter Speed: 1,2 μ s up to 700 ms

Zoom Lens: 3 x loss-less (at 800 x 600), 5x digital

Video:

Video Compression: H.264/Motion JPEG

Resolutions: 160 x 120; 320 x 240; 384 x 288;
640 x 480; 800 x 600; 768 x 576;
1024 x 768; 1280 x 960; 2048 x 1536
2592 x 1944; 1280 x 720; 1920 x 1080

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Frame Rate:	H.264/MJPEG up to 30 pictures	Alarm Evaluation:	Upload file via FTP, recording on Windows, Linux or Mac server, HTTP and E-Mail notifications, HTTP and TCP External output activation
Video Stream:	internal 3: Live View, Analysis Stream, Alarm Stream. Max 3 x H.264 Streams	Video Buffer:	internal 96 MByte image memory internal MicroSDHC- memory card 4 Gbyte
Image Settings:	Brightness, sharpness, white balance, compression, light exposure, back light, rotation, mirroring, overlay, privacy zone, lens correction (distortion correction), gamma correction, noise reduction, dynamic enhancer	In General	
Audio		Processor/Memory:	PXA270 128 MB RAM, 16 MB Flash
Audio-Input/Output:	Integrated microphone and loudspeaker	Power Supply:	12 bis 24 V (+/- 25%) max. 25 W Power supply not included
Streaming:	Two-way, Full duplex	Connections:	RJ-45 for 10/100 BASE-TX-PoE, Terminal for power supplies (cutting terminals), RS-422/RS-485, USB Master
Audio-Compression:	AAC, LC 8/16 kHz / G.711 PCM 8 kHz G.726 ADPCM 8 kHz, configurable bit rate	Local Memory:	internal MicroSDHC- memory card 4 Gbyte
Network		Protection class:	IP65
Security:	Password protection, HTTPS encryption	Housing Material:	PBT-GF30
Supported Protocols:	IPv4/v6, HTTP, HTTPS, FTP, SMTP, Bonjour, UPnP, DNS, DynDNS, NTP, RTP, RTSP, TCP, UDP, IGMP, RTCP, DHCP, ARP, SOCKS	Operating Temperature:	-20°C...+60°C
System integration		Approvals:	CE, EN55022, EN55024
API (Application Programming-Interface):	API for Software integration, available after release by www.eyewatch-gmbh.com	Weight:	1,2 kg
SDK (Software Developer Kit):	Programming interface and documentation for applications of the camera. (Registration and Authorization by eyewatch)	Dimensions:	Ø camera 186 mm Depth/Height with 120 mm base 266 mm / 236 mm
Intelligent Video:	Video motion detection, active tampering alarm, audio detection, loadable modules	Options:	
Alarm Release:	Intelligent video, audio, loadable modules, temperature, camera position and orientation changeable, deBUS (RS 485), and external signals	Illumination:	synchronised. 40 IR LED Elements, Range up to 25 m, pulsed 1,8 W 850 nm, (eye-safe from 25 cm according to IEC62471)
		Other:	Echo Cancellation Radio Module PoE+ Power over Ethernet, IEEE 802.3at (Type1 KL 3 without LED, Type2 KI4 with LED)
		Delivery:	Connector Kits, Installation Guide