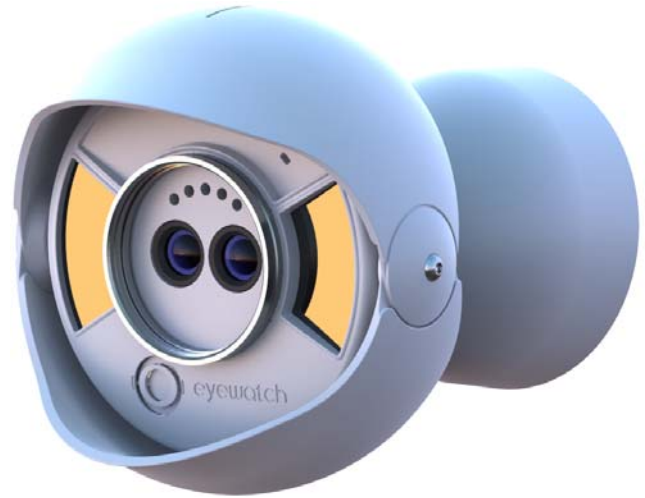


## ATX 510 – Open Platform eyeTWO Camera expandable with Apps

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 ATX 510

The eyewatch eyeTWO ATX 510 network camera is the most powerful of the eyewatch product line. It has two 5 megapixel image sensors (colour/ black and white) and a powerful Intel® Atom® CPU that offers all the standard video surveillance tasks and an open platform for more complex video analytics software. Apps to extend its functionality can easily be imported to the Linux-based eyewatch platform due to camera performance and x86® compatibility. Behaviour, object and pattern recognition, originally developed for server-based analysis, becomes possible. This flexibility and openness provides the opportunity to integrate many high-quality algorithms from the PC world into a camera system for the first time. Of course the camera is also suitable for all standard video surveillance tasks. The absence of moving parts, such as shutters and motors as well as the IP65 classification 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, a High-Performance chip with additional lens and pixel correction, scalars etc.
- **Applications for upgrading** downloadable software to adapt algorithms for video analysis and to enhance the features of the camera functionality.
- **Easy programming** by Intel® Atom® CPU with x86® architecture and Linux® operating system.
- **All-weather-resistant** due to IP65 classified plastic 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	Colour:	0,8 Lux
Light Intensity:	Black and White:	0,1 Lux

Shutter Speed: 1,2 µs 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

## ATX 510 – Open Platform eyeTWO Camera expandable with Apps

Frame Rate:	H.264/MJPEG up to 30 pictures	Alarm Evaluation:	Upload files via FTP, integrated 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 (full resolution) 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	<b>In General</b>	
<b>Audio</b>		Processor/Memory:	Intel® Atom® Z510, 512 MB RAM, 1 GByte Flash
Audio-Input/Output:	Integrated microphone and loudspeaker	Power Supply:	12 to 24 V (+/- 25%) max. 25 W Power supply not included
Streaming:	Two-way, full duplex	Connections:	RJ-45 for 10/100/1000 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
<b>Network</b>		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
<b>System-integration</b>		Approvals:	CE, EN55022, EN55024
API (Application programming interface):	API for Software integration, available after Release by <b>www.eyewatch-gmbh.com</b>	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	<b>Options:</b>	
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