

WEATHERPROOF HEMISPHERIC CAMERA



Q24 with Underwater Enclosure

Highlights

- Single image sensor (one lens), color and IR-sensitive B/W
- Integrated microphone and speaker
- Bidirectional IP & ISDN telephony
- Audio transmission to the browser
- Definable exposure zones
- Integrated video motion detection
- Night Vision with up to 1 sec. exp. time
- Digital zoom and panning
- Video/audio recording and playback
- Software DVR for Windows/Linux/OS X
- Alarm management with pre- & post-alarm images

Camera System 3 Megapixels

- Fully digital color CMOS (2048 x 1536 pixels)
- 11 mm hemispheric lens (360° view)
- 22mm superwide-angle lens (90°x67° also available)

Automatic Exposure Software Controlled

- Minimum and maximum exposure times can be set between 0.125 ms and 1 s - no aperture
- User-definable exposure window for optimum adjustment to the areas of interest
- Backlight compensation, automatic contrast control, night vision enhancement, white balance, sharpness

Image Formats and Frame Rates

- Color image scalable from 2048 x 1536 to 160 x 120
- In-camera distortion correction • Factory-preset view modes: Normal, Surround,
- Panorama, Panorama Focus, Double Panorama (with panorama correction)
- Selectable image formats (e.g., 1000 x 200 for skyline)
- Time-controlled masking of image areas

Image Memory Included

- Internal 64 MB image memory capacities for approx. 300 3MEGA, 600 MEGA, 2,500 VGA, 4,000 CIF images • MircoSD slot for memory expansion to 32 GB*
- Event and/or time-controlled recording

TPL-WP-Q24SEC: Weatherproof Hemispheric IP Camera System

Introducing an IP67 rated weatherproof enclosure for the Mobotix Q24 hemispheric camera. The camera offers all the standard Mobotix features with an integrated hemispheric view that allows the camera to capture an entire 360° field of view. The integrated panorama function and a quad view show images from four different angles simultaneously. With the enclosure from TecPro Solutions, the Mobotix Q24 can be used in applications never before conceived.

The Q24 offers powerful performance and a number of unique features including:

- Complete panorama view, entire 360° field of view
- Quad view to show images from four different angles simultaneously
- Digital, continuous zooming and panning
- Robust and maintenance-free, without mechanically moving parts
- Event-controlled recording directly in the camera (4 GB MicroSD card incl.)
- Alarm function with integrated speaker and microphone

- Adjustable number of pre-alarm & post-alarm images
- Browser playback with event search features

Recording Included

- Decentralized system concept reduces peripheral components and costs when recording
- Camera-controlled recording on Windows/Linux/Mac systems
- Camera manages ring buffer with up to 1 million alarms on the server (no additional software!)
- Adjustable ring buffer size and storage time
- MxPEG: optimized codec for network video
- Event/permanent recording (MxPEG/M-JPEG)
- Event-controlled frame rate from 0.2 to 30 Hz

Video Management Included

- Video streaming/administration via web browser
- Up to 30 cameras as MultiView in web browser
- 4 simultaneous web browser operating modes: HTML/JavaScript with M-JPEG, streaming (Java), ActiveX (MxPEG), PDA-optimized pages
- PDA interface with HTML only (Pocket PC)
- Event search by time, date, event type
- Software installation on PC not necessary
- Optional: Free of charge video management MxControlCenter 2.1 (Windows) and MxEasy (Windows/Mac)

Administration via web interface

- Convenient administration via web browser
- User-definable FTP/e-mail/VoIP profiles
- User/group management
- User-definable access levels
- IP address filter, IEEE 802.1x, intrusion detection
- Secure access via HTTPS/SSL

Event Logic camera internal

- Event triggered by: motion in definable video sensor areas, temperature, exposure situation, IO contacts (via ExtIO expansion module), audio level (via ExtIO expansion module), network message (IP Notify), definable time functions
- Logical linking of events
- Time-dependent event and standby control

Alarm Signaling included

- Visual/audio alarm notification
- Voice output via internal/external audio
- Custom voice messages can be recorded
- Notification via e-mail/FTP
- VoIP calling with Video SIP (also in browser)
- TCP/IP message on IP port

High-Quality Audio onboard

- Integrated 4 W loudspeaker with microphone
- IP telephony (SIP), cellular network via gateway IP voice announcement with DHCP
- Lip-synchronous audio recording (MxPEG)

Power Supply PoE

- Power supply via Ethernet cable
- Power input 4.5 W
- No heater/motors, low UPS costs
- Variable PoE class based on operating mode: Depending on configuration: PoE class 1, 2 or 3

Camera Enclosure

- Material: Polycarbonate NEMA Type 4X (IP67)
- Wall thickness: .2in (5.1mm)
- Flammability: Cover = UL94 V-2, Base = UL94 5VA
- Cover Gasket: Neoprene
- Cover Screws: Stainless Steel
- Assembly weight: 8lb.
- Unit Dimension: 5 11/16", 5 11/16", 5 7/16" (L,W,H)
- Shipping Dimension: 15", 15", 15" (L,W,H)

Characteristics

- CMOS image sensor 2048x1536 pixels (color)
- Color sensor sensitivity (22 mm/F2.0) 1 lux (1/60 s)–0.05 lux (1/1 s)
- Frame/data rate (MxPEG, medium quality)

30 fps	VGA (640x480)	1.5 Mbps
30 fps	TV PAL (704x576)	2.0 Mbps
30 fps	Mega (1280x960)	2.5 Mbps
20 fps	3MEGA (2048x1536)	3 Mbps
- Audio codec 64 KBit SIP (IP telephony)
- Temperature, weather protection -30°C to +60°C (-22°F to +140°F), IP65
- Camera Included: Underwater enclosure is supplied with a Mobotix Q24 camera installed.