

1

Increased resolution reduces amount of cameras needed

1536-line, high-resolution sensors give a better overview and allow monitoring an entire room with just one camera from the corner

2

Reduced installation costs at any distance

Standard Ethernet connection enables the use of common network components such as fiber, copper and wireless (WLAN)

3

Intelligent recording technology reduces required storage

Decentralized recording technology in the camera software puts less strain on PCs and reduces the amount of storage PCs (DVRs) by 10 times

4

Event-controlled image rate minimizes storage costs

Event-driven, automatically adjusted recording frame rate based on event or sensor action reduces amount of data and storage costs

5

No additional power and no heating required

Anti-fogging without heating allows usage of standard PoE technology to power the system via network and saves costs of power cabling

6

Backup power requirement reduced by 8 times

Low power consumption, 3 Watt, enables year-round (no heating required) PoE with one centralized UPS from installation room via network

7

Robust and practically maintenance free

Fiberglass-reinforced composite housing with built-in cable protection and no mechanical moving parts (no autoiris) guarantees longevity

8

No software and no licence costs

Control and recording software is integrated in the camera and is free of charge; new functions are available via free software downloads

9

Unlimited scalability and high return of investment

While in use, more cameras and storage can be added at any time; image format, frame rate & recording parameters can be camera specific

10

Additional functions and other extras included

Audio support, lens, wall mount and weatherproof housing (-30° .. 60°C; -22° .. 140°F) are included; microphone & speaker available in certain models

3Megapixel

2048 x 1536
software zoom

30 Frames/s

VGA (640 x 480)
10 F/s/Mega

-22°F ... +140°F

Weatherproof

- 30° ... +60°C, IP65
no heating necessary

IEEE 802.3af

PoE

network power
even in winter

microphone & speaker

Audio

bi-directional via IP
variable framerates

SIP-Client with video

IP-Telephony

alarm notify,
cam remote control

Video motion

multiple windows
precision pixel-based

lip-synchronized audio

Recording

event-ringbuffer
40 cams each 30 F/s

Live viewing

40 cams at 30 F/s
all on one screen

Backlight

safe using CMOS
without mechanical iris

Wall bracket

with cable cover
for RJ45 wall outlet

Robust

no moving parts
fiber glass housing

Innovations Made in Germany

The German company MOBOTIX AG is known as the leading pioneer in network camera technology and its decentralized concept has made high-resolution video systems cost efficient.

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1

Progressive-scan instead of half-frame blur

Mega pixel sensor and image processing inside camera with digital white balance generates sharp and true color images at every scale

2

Sun and backlight compensation

CMOS-sensor without autoiris, digital contrast enhancement and configurable exposure measurement zones guarantee optimal exposure control

3

Dual camera technology: 2-in-1

Two possible camera views with picture-in-picture technology or 180° panoramic view; one Dual-Fixdome camera with 2.5 megapixel is enough

4

Long-term, high-performance Terabyte recording included

Event detection and ring buffer recording by the camera itself allow recording of 40 smooth video streams on a single PC (1200 VGA images/s)

5

Simultaneous recording, event search and live viewing

Live video for multiple users, recording and event search simultaneously possible in seconds from anywhere in the world via network

6

Very low network load

Efficient MxPEG video codec, motion detection based recording and video buffering inside camera guarantee a very low network load

7

Bridging of recording during network failures

Internal camera ring buffer bridges network failures and bandwidth fluctuations of wireless links (WLAN/UMTS) for several minutes

8

Day & night maintenance free

Unique Day/Night camera technology without moving parts guarantees extreme light sensitivity and ensures long-term reliability

9

Audio and SIP telephony

Lip-synchronized audio (live & recording); each camera is a video IP telephone based on SIP standard with automatic alarm call and remote control

10

MxControlCenter included

Dual screen technology with building plans, free camera positioning, event search, image processing, lens distortion correction and PTZ support

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