

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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