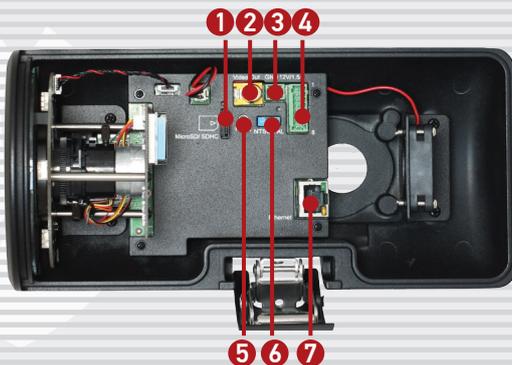# N37210

An outdoor IP camera
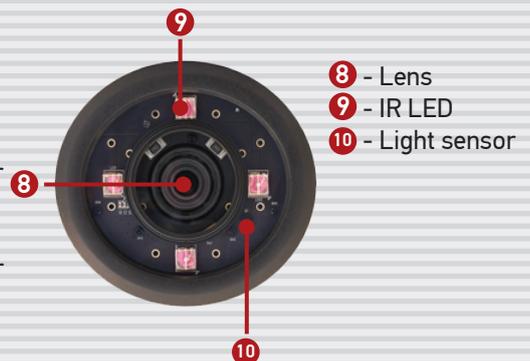with two megapixel
resolution

- Progressive scan CMOS
- 30 fps at 1920x1080 resolution
- Day/Night mode and motorized IR cut filter
- IR illumination with up to 35 meters of working distance
- Meets IP66 standard for dust and water protection
- Built-in heater and fan
- Simultaneous encoding of H.264/MPEG-4/Motion JPEG
- WDR-mode support (Wide Dynamic Range)
- Network-attached storage (NAS) recording
- 16-channel software included
- MicroSDHC memory card support

N37210 IS AN OUTDOOR TWO-MEGAPIXEL IP CAMERA WITH X-PANNER FUNCTION FROM BEWARD, WHICH ALLOWS SPECIFYING AND USING 4 SEPARATE VIEW AREAS WITH INDIVIDUAL PROFILE PARAMETERS FOR EACH AREA.

1 - MicroSD slot
2 - Video out
3 - Power connector
4 - Terminal connector
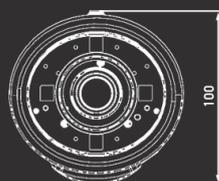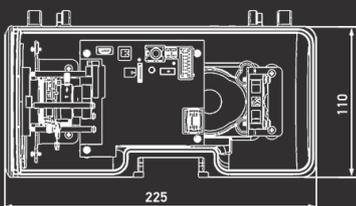5 - Reset button
6 - NTSC/PAL switch
7 - Network connector

8 - Lens
9 - IR LED
10 - Light sensor

GENERAL FEATURES

Model	N37210
Image sensor	OmniVision, 1/2.7" CMOS, Day/Night mode
	Progressive scan
Sensor dimensions	5.85x3.27 mm
Sensitivity	0.05 lux (Day) / 0.01 lux (Night)
	0.007 lux (DSS @ 2 fps)
Illumination	IR LEDs (850 nm), 4 pcs., up to 35 m
IR filter	Motorized IR cut filter
Shutter time	1/2 - 1/10000 sec
AGC	1x to 64x
Extra	WDR (8 levels), Noise Reduction, BLC

LENS

Type	Varifocal, auto iris, F1.2, 3.0-9.0 mm
Angle of view	36-110° (horizontal)

VIDEO

Video streaming	H.264 Baseline Profile, MPEG-4 Simple Profile,
	Motion JPEG (simultaneous encoding)
Resolution	1920x1080, 1280x1024, 1280x960,
	1280x720, 1024x768, 640x480, 320x240
Frame rate	H.264/MPEG-4/Motion JPEG:
	up to 30 fps at all resolutions
Bit rate	H.264/MPEG-4: customize settings, presets
	(5 fixed), fixed bit rate: from 32 kbit/s to 10 Mbit/s;
	Motion JPEG: customize settings, presets
Profile	10 profiles, individual adjustment
Viewing areas	Up to 4 viewing areas
Image settings	Brightness, contrast, saturation, sharpness
	Rotation: mirror, flip, mirror+flip, time/date,
	text; Privacy Zone Masking
Zoom	Digital 10x (on/off)

AUDIO

Audio input/output	1 audio line input / 1 line output, gain
Compression	G.711 u-law, a-law, AMR
Extra	Full-duplex, half-duplex, simplex

NETWORK

Interfaces	10Base-T/100Base-T Ethernet port
Supported protocols	TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP,
	SMTP, DDNS, NTP, UPnP, Bonjour,
	RTSP, RTP, HTTP, HTTPS, UDP, ONVIF v2.2
Security	Multilevel users access with password protection
	(up to 5 simultaneous connections),
	HTTPS encryption, IP Filter
Connection	DHCP, static address

RECORDING AND EVENTS

Events	Audio detection, multizone motion detection
	with sensitivity and threshold adjustment,
	capacity warning, boot device, digital input,
	network link down, IP-notification,
	periodical event, tampering detection
Sending by e-mail	Images, video data, system log:
	by alarm, by schedule, periodically
	(pre-, post recording, time span: 1 min. to 24 h.)
NAS recording	Recording of video data, images,
	system log to a shared folder or
	to NAS - continually, by alarm,
	by schedule, periodically
FTP uploading	Images, video data, system log:
	by alarm, by schedule, periodically
	(pre-, post recording, time span: 1 min. to 24 h.)
Memory card recording	Images, video data, system log:
	continually, by alarm, by schedule

CONNECTORS

Ports/Connectors	RJ-45, terminal block for power supply,
	memory card slot, Reset button,
	video out (RCA connector). Terminal block for
	2 digital input/output and audio input/output,
	PAL /NTSCswitch
Digital I/O	2 input/2 output (max. 30 V),
	NO/NC mode
Memory card	MicroSD/MicroSDHC (up to 32 GB)

CONTROL/SETTINGS

Control	Professional 16-channel software for recording
	and monitoring, software for searching and
	setting of IP cameras (included)
UPnP	Windows UPnP auto-discovery
	(XP SP3/Vista/Windows 7)

OPERATION

Power	12 V DC, 1.2 A, 14 W max. PoE 802.3af
Power from PSU*	3.9 W (heater and fan only)
	7.9 W (IR illumination only (max.))
	9.6 W (IR illumination (max.) and heater)
	8.87 W (IR illumination (max.) and fan)
Power from PoE**	3.9 W (heater and fan only)
	7.9 W (IR illumination only (max.))
Heater and fan	Built-in, auto turn on/off
	Heater activates at temperatures below +5°C
	Fan activates at temperatures above +50°C
LED	Power, network/memory card status
Operating temperature	-65 to +50°C, IP66
Dimensions	360x125x250 mm (assembled)
Net Weight	1830 g
Casing	Metal

MINIMUM REQUIREMENTS

Browser	Safari, Firefox, IE 9.0 or later
OS	Windows XP, Windows 7, MAC OS X
Processor, RAM	2.8GHz P4 or equivalent AMD, 1GB
Network interface card	Yes

PACKAGE CONTENTS

Package contents	IP camera (lens pre-installed),
	Bracket mounting template, bracket with holder
	Gasket M25x1.5, sunshield, desiccant
	Mounting kit (with 2 keys), 2 terminal blocks
	Quick installation guide,
	CD with software and user's manuals
	Package

* It is possible to use IR illumination, heater and fan together while using power supply unit.
** When using PoE, heater and fan turn off if IR illumination is enabled.

110
225
100

Important! When purchasing this product, please check its package content and inspect it for mechanical damages. Product specifications can be changed without preliminary notice.