



HOME SERIES

PRODUCT DATA

Model: N13100
N13100W

MEGAPIXEL IP CAMERA WITH BUILT-IN ILLUMINATION FOR 24 HOURS A DAY SURVEILLANCE

The BEWARD compact IP camera N13100 with two-way audio function is a perfect choice for professional video surveillance. The camera has a built-in high sensitivity CMOS sensor and LEDs which allow it to work well in poor lighting conditions, even in complete darkness.

Following high standards of IP surveillance N13100 has a megapixel progressive scan CMOS sensor and resolution up to 1280x1024. The megapixel resolution of the N13100 allows for superior image detail and quality. The IP camera identifies humans' faces in offices, homes and manufacturing areas. N13100 is perfect for surveillance in offices, retail shops, restaurants, hotels and so on.

The N13100 video encoder supports 4 video streams simultaneously: MJPEG, MPEG-4, H.264, 3GPP. Video formats could be selected according to bandwidth and image quality. H.264/MPEG-4 is recommended for low network load. MJPEG is for low compression and best video quality.

N13100 is user-friendly to operate and mount. The camera has a built-in web-server to connect it to a local network or the Internet. The video from the camera can be viewed via standard web-browser or professional surveillance software from the package.

The professional management software IP surveillance is a multi-camera video surveillance application which can handle N13100 to provide monitoring, recording and event management functions.

Although one of the world's smallest it still possesses all the powerful features and great qualities you can expect from all BEWARD cameras.

Optimal price/quality balance of built-in microphone megapixel camera

Two-way audio support, record by FTP, message sending by e-mail

Record to an external file storage without using third parties software

Built-in multi-zone motion and audio detection

Compact IP camera with megapixel CMOS sensor and built-in microphone

Model: N13100, N13100W

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PRODUCT DATA

- Ultra-compact
- User-friendly to operate and mount
- High sensitivity 1.3 megapixel CMOS sensor
- Max megapixel resolution 1280x1024 for superior image detail and quality
- 6 LED night-vision illuminators
- 16 channels surveillance software included
- Two-way audio with built-in microphone and audio detection
- The video encoder supports 4 video streams simultaneously: M-JPEG, MPEG-4, H.264, 3GPP
- Built-in audio detection
- Sumba network storage support
- Built-in multi-zone motion detection with sensitivity regulation

Compact IP camera with megapixel CMOS sensor and built-in microphone

N13100, N13100W

Features

Model	N13100
Sensor	1.3 megapixel 1/4" (6.35 mm) progressive scan CMOS sensor
Sensitivity	0 Lux at F2.0 with Night-vision LEDs on
Illumination	6 LED illuminators (white) up to 5 meters
Shutter speed	1-1/17780 sec
Camera type	Fixed box
S/N ratio	44 dB

Lens

Lens type	M12, 4.2mm focus, F1.8 (exchangeable)
View angle	48° horizontal (package lens)

Video

Resolution	1280x1024, 1280x720, 640x480, 320x240, 160x120
Rotation	Rotation 180°, mirroring Rotation 180° with mirroring
Video stream	4 video streams simultaneously: Motion JPEG, MPEG-4 part2 (ISO/IEC 14496-2), H.264, 3GPP/ISMA RTSP Unicast and Multicast support
Frame rate	M-JPEG/MPEG-4/H.264: 15 fps in 1280x1024, 1280x720 30 fps in 640x480, 320x240 3GPP: 10 fps in 160x120
Quality setting	Automatical (5 presets), fixed bandwidth: H.264/MPEG-4 (from 64 kb/s to 6 Mb/s) M-JPEG (presets only) 3GPP (from 16 kb/s to 64 kb/s)
Zoom	10x digital zoom
Image setting	Brightness, Contrast, Saturation, Sharpness, Text overlay, Privacy image

Network

Interface	10BASE-T/100BASE-TX Auto-MDIX
Protocols	Bonjour, TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, HTTP, TCP, UDP, 3GPP/ISMA RTSP
Security	Multiple user access levels with password protection, safety access over HTTPS, IP addresses filter

Wireless Encryption (Wi-Fi cameras only)

Standatd	Wi-Fi, IEEE 802.11b/g
Frequency range	From 2.412 to 2.497 GHz (1... 13 channels)
Modulation	802.11b: CCK, DQPSK, DBPSK 802.11g: OFDM
Power output transmitter	802.11b : 18±1 dBm 802.11g standard: 14±1 dBm
Reciever sensitivity	802.11b standard: -81 dBm 802.11g standard: -68 dBm
Transmission speed	802.11b: 11, 5.5, 2, 1 Mb/s 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mb/s
Effective range	Up to 50 meters indoor Up to 150 meters indoor
Security	WEP 64/128 bit, WPA/WPA2-PSK encryption

Audio

Audio	Full duplex, half duplex
Microphone	Built-in
Audio output	3,5 mm jack
Compression	G.711 μ -law 8 kHz, G.711 α -law 8 kHz AMR 8 kHz



HOME SERIES

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- Built-in server with English language user interface
- Video and image sending by e-mail
- Video and image sending by FTP
- 3GPP mobile surveillance
- Multiple user access levels with password protection
- HTTPS encryption and IP addresses filter
- 10 simultaneous users
- Wi-Fi supporting, WEP 64/128 bit encryption, WPA/ WPA2-PSK
- 10x digital zoom

Record and events

Motion detection	Multi-zone built-in motion detection, sensitivity control, buffering support, record by schedule
Audio detection	By schedule, sensitivity control
Connection break-down	Buffer pre-record and post record (up to 5 seconds)
Email sending	Video and image sending permanently, by schedule (from 30 minutes to 24 hours), by motion and audio detection, connection break-down
FTP uploading	Video and images uploading permanently, by schedule (interval from 1 minute to 24 hours), by motion detection and audio detection, connection break-down
Record to an external storage device	Video record to a shared folder or NAS: permanently, by schedule, motion detection, by connection break-down, alarm triggered record

Installation/management

Installation	Surveillance IP cameras software, settings and updates (included)
Web-browser	Internet Explorer 7.0 or later
UPnP	16 channels surveillance software included Automatic search camera by UPnP of Windows (XP/Vista/Windows 7)
Users	10 simultaneous users

Software

Software	English multi-channel professional surveillance software, 16 cameras video and audio monitoring, videos recording and storage Record by motion detection, schedule and manually Video user-friendly search by date and time
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Exploitation

Port/connector	RJ-45, audio output, 12V DC Antenna (Wi-Fi cameras only)
Control buttons	Factory reset settings (Reset)
Indication	Power and network connection
Power supply	12V, 1 A (DC), 12 W
Dimension	63x104x35mm (WxHxD)
Weight	116.5 g (net)
Operation system	GM8180 processor, 128 MB RAM, 8 MB ROM, Linux OS

Operation conditions

Temperature	0° to +50°C
Humidity	20–80% (no condensation)
Approvals	CE, FCC, RoHS

System requirements

Network card	Network commutator/router (for several cameras)
Internet Explorer 7.0 or later	Microsoft © Windows 2000, XP, Vista, Windows 7, Mac OS X Leopard
Pentium 2.0 GHz processor or AMD analogue	128 MB video card
512 MB RAM	

Package

Wall bracket	
Camera (lens included)	
English software and documentation CD	
12 V power adapter , DC 1 A	
Quick Installation Guide	
Wi-Fi antenna (Wi-Fi cameras only)	

Attention! Check the package included components and possible damages immediately after obtaining. Some features of the camera can be changed without preliminary information.

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