BEWARD
IP SURVEILLANCE

N500
N520

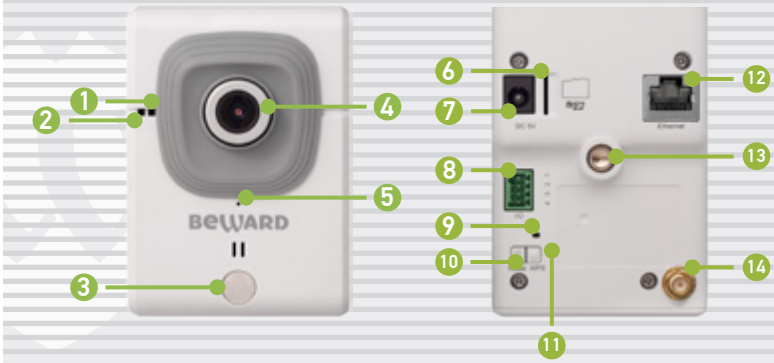
High quality IP cameras with Full HD resolution



- 30 fps at Full HD resolution
- Progressive scan CMOS
- WDR mode support (Wide Dynamic Range)
- Built-in microphone (with audio gain adjustment)
- Network-attached storage (NAS) recording
- 16-channel software included
- Wi-Fi 802.11b/g/n (WPS support)*
- Multizone motion detection and audio detection
- MicroSDHC memory card support
- Digital Input/Output

N500/N520 IS A 2-MEGAPIXEL IP CAMERA WITH A HIGH SENSITIVE SENSOR AND WDR MODE SUPPORT. THE CAMERA IS DESIGNED FOR THE INSTALLATION OF PROFESSIONAL HOME AND OFFICE VIDEO SURVEILLANCE SYSTEMS.

* Wireless Wi-Fi connection is only available for N520 model.



1 - Power LED indicator
2 - Network LED indicator
3 - PIR-sensor
4 - Focus adjustment ring
5 - Built-in microphone
6 - MicroSD/SDHC card slot
7 - DC 5 V power connector
8 - Digital Input/Output
9 - Wi-Fi LED indicator *
10 - Reset button
11 - WPS button *
12 - Network connector
13 - Place for a bracket
14 - Wi-Fi antenna connector *

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GENERAL FEATURES	
Model	N500/N520
Image sensor	OmniVision 1/2.7" CMOS
	Progressive scan
Sensor dimensions	5.85x3.27 mm
Sensitivity	0.05 lux / 0.01 lux (DSS @ 2 fps)
Shutter time	1/2 - 1/10000 s
AGC	1x to 64x
Extra	WDR (8 levels), Noise Reduction, BLC
LENS	
Type	M12, F1.8
Focal length	4.0 mm
Angle of view	72° (horizontal)
VIDEO	
Video streaming	H.264 Baseline Profile, MPEG-4 Simple Profile,
	Motion JPEG (simultaneous encoding)
Resolutions	1920x1080, 1280x720, 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	3 profiles with an individual adjustment
Image settings	Brightness, contrast, saturation, sharpness
	Rotation: mirror, flip, mirror+flip
	Time/date, text, privacy zone masking
Zoom	Digital 10x (on/off)
AUDIO	
Audio	Built-in microphone and speaker
	with the audio gain adjustment
Audio compression	G.711 u-law, a-law, AMR
Audio streaming	Two-ways (full-duplex, half-duplex)
NETWORK	
Interfaces	10/100Base-TX Ethernet port
Supported protocols	TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP,
	SMTP, DDNS, NTP, UPnP, Bonjour, RTSP,
	RTP, HTTP, HTTPS, UDP, SSL, ONVIF v2.2
Security	Multilevel users access
	with password protection
	(up to 5 simultaneous connections),
	HTTPS encryption, IP Filter
Connection	DHCP, static IP address
WIRELESS INTERFACE*	
Standart	IEEE 802.11 b/g/n (WPS support)
Security	WPA-PSK / WPA2-PSK,
	WEP 64/128 bit encryption
RECORDING AND EVENTS	
Events	Audio detection, multizone motion detection
	with sensitivity and threshold adjustment,
	boot device, periodical event, IP-notification,
	capacity warning, tamper detection,
	digital input, PIR sensor

NAS recording	Recording of video data, images, system log
	to a shared folder or to NAS - continually,
	by alarm, by schedule, periodically
Memory card	Images, video data, system log: continually,
recording	by alarm, by schedule, periodically
FTP uploading	Images, video data, system log:
	by alarm, by schedule, periodically
	(time span: 1 min. to 24 h; pre-, post recording)
Sending by e-mail	Images, video data, system log:
	by alarm, by schedule, periodically
	(time span: 1 min. to 24 h; pre-, post recording)
CONNECTORS	
Ports/Connectors	RJ-45 for Ethernet 10/100 Base-TX,
	power connector, memory card slot, reset button
	WPS button and SMA connector (N520 only)*
Digital I/O	1 input/1 output; NO/NC mode
Memory card	MicroSD/MicroSDHC (up to 32 GB)
PIR sensor	Passive, distance (max.) 6 m,
	angle near 100°
CONTROL/SETTINGS	
Control	Professional 16-channel software for
	recording and monitoring, software for
	searching and setting of IP cameras (included)
	Firefox, Safari, IE 9.0 or later
UPnP	Windows UPnP auto-discovery
	(XP SP3/Vista/Windows 7)
OPERATION	
Power	5 V, 0.6 A DC, max. 3 W
	PoE 802.3 af (for N500 only)**
LED	Power, network status, Wi-Fi connection*
Operating temperature	-10 to +50°C
Dimensions (WxHxT)	66x96x43 mm
Net Weight	100 g
Casing	ABS plastic
Extra	Real time clock
MINIMUM REQUIREMENTS	
Network interface card	Yes
Browser	Internet Explorer 9.0 or later
Operating system	Windows XP, Vista, Windows 7,
	MAC OS Leopard 10.5 or later
Processor	2.8 GHz Pentium 4 or equivalent AMD
RAM	1 GB (recommended 2 GB or higher)
Video card	256 Mb
PACKAGE CONTENTS	
Package contents	IP-camera (lens pre-installed)
	Bracket (mounting kit included)
	5 V, 1 A DC power supply
	Wi-Fi antenna (N520 only)*
	Patch cord (1 m length)
	Terminal block (4 contacts; digital input/output)
	Quick installation guide
	CD with software and user's manuals
	Package

* Wireless Wi-Fi connection is only available for N520 model.
** PoE support is only available for N500 model.





Important! Purchasing a product please check its package content and inspect it for mechanical damages.
Product specifications can be changed without preliminary notice.

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