N100
N120

Compact IP cameras for home and office video surveillance
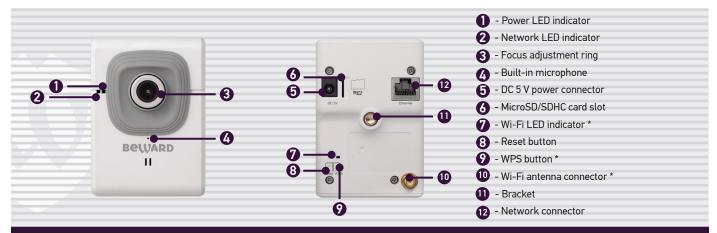
- **Progressive scan CMOS**
- **30 fps at 640x480 resolution**
- **Simultaneous motions: H.264/MPEG-4/MJPEG**
- **Built-in microphone (with audio gain adjustment)**
- **Network-attached storage (NAS) recording**
- **16-channel software included**
- **Multizone motion and audio detection**
- **Wi-Fi 802.11b/g/n (WPS support)***
- **MicroSDHC memory card support**

N100/N120 IP CAMERAS ARE USED FOR INSTALLATION INDOOR VIDEO SURVEILLANCE SYSTEMS BY BOTH WIRE AND WIRELESS WI-FI CONNECTION*.
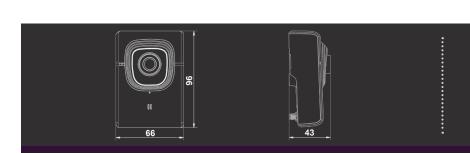
* Wireless Wi-Fi connection is only available for N120 model.

❶ - Power LED indicator
❷ - Network LED indicator
❸ - Focus adjustment ring
❹ - Built-in microphone
❺ - DC 5 V power connector
❻ - MicroSD/SDHC card slot
❼ - Wi-Fi LED indicator *
❽ - Reset button
❾ - WPS button *
❿ - Wi-Fi antenna connector *
⓫ - Bracket
⓬ - Network connector

GENERAL FEATURES	
Model	N100/N120
Image sensor	OmniVision, 1/4" CMOS
	Progressive scan
Sensor dimensions	3.98x2.95 mm
Sensitivity	0.2 lux / 0.1 lux (DSS @ 7 fps)
Shutter time	1/7 - 1/24000 s
Signal/noise ratio	50 dB

LENS	
Type	M12, F2.0
Focal length	3.6 mm
Angle of view	58° (horizontal)

VIDEO	
Video streaming	H.264 Baseline Profile, MPEG-4 Simple Profile,
	Motion JPEG (simultaneous encoding)
	unicast and multicast support
Resolutions	640x480, 320x240, 160x120
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 2 Mbit/s;
	Motion JPEG: customize settings,
	presets
Profile	4 profiles, individual adjustment
Image settings	Brightness, contrast, saturation, hue
	Rotation: mirror, flip,
	mirror+flip; time/date, text
	Privacy Zone Masking
Zoom	Digital 10x (on/off)

AUDIO	
Audio	Built-in microphone with audio gain
	adjustment
Audio compression	G.711 u-law, a-law, AMR
Audio streaming	One-way

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 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 with sensitivity
	adjustment, multizone motion detection
	with sensitivity and threshold
	adjustment, network link down,
	boot device, periodical event,
	IP-notification, capacity warning
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,
	periodically

CONNECTORS	
Ports/Connectors	RJ-45 for Ethernet 10/100 Base-T, power
	connector, memory card slot, Reset button,
	WPS button and SMA connector (N120 only)*
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)
	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
LED	Power, network status, Wi-Fi connection*
Operating temperature	0 to +50°C
Dimensions (WxHxT)	66x96x43 mm
Net Weight	100 g
Casing	PBC plastic

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 (N120 only)*
	Patch cord (1 m length)
	Quick installation guide
	CD with software and user's manuals
	Package

* Wireless Wi-Fi connection is only available for N120 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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