OUTDOOR CAMERA
FOR DAY AND NIGHT SURVEILLANCE

The N6603 is a color network camera designed for both indoor and outdoor usage. The camera's housing is IP66 rated and surely protects it against harsh weather conditions such as dust, rain, etc. Such design allows this camera to be used in areas with harsh environmental conditions.

The N6603 is equipped with high-sensitivity progressive scan CMOS sensor and motorized IR cut filter, which provide effective surveillance under low-light conditions. When light diminishes below a certain level, the camera automatically switches to black and white mode. It turns on the IR LED and removes the IR cut filter, which adjusts color rendering by blocking excess light in the daytime and makes the sensor much more sensitive under low-light conditions. Thanks to the IR cut filter, the IR LED and the day/night mode these cameras ensure clear pictures both in the day and night time and is an optimal solution for 24h surveillance systems.

The N6603 camera delivers high-quality, real-time video at 640x480 resolution and allows users to select an encoding format suitable for a certain purpose. MPEG-4 combines less bandwidth consumption and high image quality using maximum compression, thereby saving disk space. MJPEG provides best image quality and uses minimum compression, but increases bandwidth consumption and requires more disk space.

The N6603 camera offers Power over Ethernet and digital input/output for connecting external alarm devices. Besides, this camera comes with free professional 16 channel software providing easy and quick installation of a surveillance system.

High-sensitivity progressive scan CMOS sensor

Meet IP66 standard and is suitable for both indoor and outdoor use

Recording to network attached storage or shared folder

IR LED with up to 15 meters of working distance for 24h surveillance

Model: N6603

**Outdoor camera
with professional software included**

BEWARD
surveillance technology

- Progressive scan CMOS sensor

- Motorized IR cut filter

- IR illumination with up to 15 meters of working distance

- IP66/67 rated weatherproof housing

- Power over Ethernet IEEE 802.3af

- Maximum resolution 640x480 provides superior image quality

- Recording to network attached device

- Simultaneous MPEG-4/Motion JPEG streaming

- ONVIF v1.02 support

- Easy and user friendly interface

- 16 channel surveillance software

General properties

Model	N6603
Image sensor	1/4" progressive scan CMOS sensor
Sensitivity	0.5 lux @ F2.0 (0 lux when LED is on)
LED	IR LEDs (850 nm), 21 pcs, 8 mm diameter, up to 15 meters
IR filter	Motorized IR cut filter
Shutter time	1/7.5 ~ 1/120 sec
S/N ratio	50 dB

Lens

Type	M12 with 4.0 mm focal distance, F1.5
Angle of view	65° diagonal, 53° horizontal, 40° vertical

Video

Resolution	640x480, 320x240, 160x120
Video streaming	Motion JPEG, MPEG-4 part2 (ISO/IEC 14496-2), Profile:SP, 3GPP (simultaneous streaming)
Frame rate	MPEG-4: up to 30 fps at all resolutions
	Motion JPEG: up to 15 fps at all resolutions
	3GPP: up to 10 fps at 320x240, 160x120
Bit rate	Auto, fixed rate (5 presets), fixed rate: MPEG-4: 64 kbps to 2 Mbps
	Motion JPEG: presets only / 3GPP: 16, 32, 48, 64, 128, 256 kbps
Image settings	Brightness, contrast, saturation. Rotation: mirroring, flip, mirror + flip
Zoom	10x digital zoom

Audio

General	Two-way, external audio input / audio output
Compression	G.711 PCM, 8 kHz, 64 kbps

Network

Network connection	10BASE-T/100BASE-TX Auto-MDIX
Supported protocols	Bonjour, TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, TCP, UDP, 3GPP/ISMA RTSP
Security	Multilevel user access with password protection, HTTPS encryption

Recording and events

Triggers	Multi-zone motion detection with threshold and sensitivity control, alarm input/output
E-mail alert	Alarm triggered, scheduled, continuous (30 min to 24 h interval) sending of images or video
Recording to NAS	Continuous, scheduled, alarm triggered recording of video to a shared folder (Windows/Linux) or to a network attached storage
Uploading to FTP	Alarm triggered, scheduled, continuous (1 min to 24 h interval) uploading of images or video

Installation/Settings

Operation	Professional 16 channel software for recording and monitoring (included)
	Software for searching and setting of IP cameras (included)
	Firefox, Safari, Internet Explorer 8.0 or later
	ONVIF V1.02 support
	Windows UPnP auto-discovery (XP SP3/Vista/Windows 7)
Users	5 simultaneous connections

Operation

Connectors	RJ-45 (with PoE), power connector, 3.5 mm audio jack for mic/line 3.5 mm jack for line out. Terminal block for alarm input/output, reset button
Alarm I/O	5/12 V input, up to 30 W output (1 input / 1 output)
Power	12 V DC, 0.5 A (direct current), 12 W max. PoE IEEE 802.3af Class 0
Dimensions	80xØ102 mm (116/145 mm with sunshield)
Weight	635 g (net weight)
Operating temperature	-65 to +50°C
Casing	Aluminium

Minimum requirements

	Network interface card, Internet Explorer 8.0 or later
	Operation system: Microsoft ® Windows 2000, XP, Vista, Windows 7, Mac OS X Leopard 10.5
	Pentium 4 2.0 Ghz or equivalent AMD, 512 MB RAM
	64 MB video card

Package contents

	Bracket, sunshield
	Camera (lens pre-installed)
	RJ-45 adapter
	CD with software and user's manuals
	Power supply 12 V DC, 1 A (direct current)
	Quick installation guide