Bullet
Network Camera
IP8355EH

1.3MP • WDR Pro II • 30M IR • Smart IR • 3DNR • Smart Focus System • IP67

VIVOTEK IP8355EH is a professional outdoor bullet network camera offering 30 fps @ 1.3-Megapixel resolution with superb image quality.

Featuring the new improved Wide Dynamic Range Technology WDR Pro II, it provides extreme visibility in extremely dark & light environments with 4-shutter capture method. Combined with 3D Noise Reduction Technology, which enables the IP8355EH to capture clear, polished video under low-light conditions and reduce bandwidth from sensor noise, users can identify an increased level of image detail in extremely bright as well as dark environments.
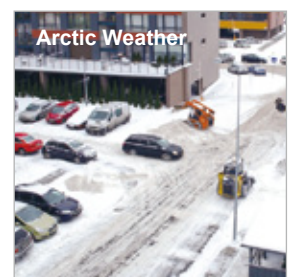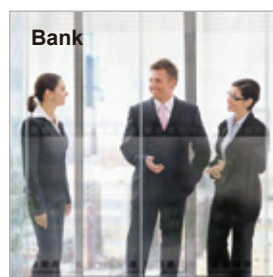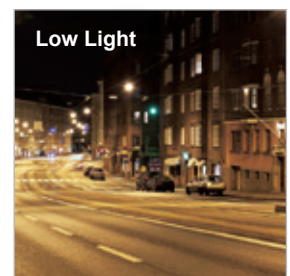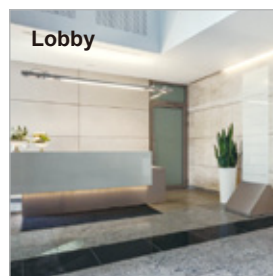
Additionally, as a professional day/night camera, IP8355EH adopts Smart IR technology which prevents overexposure and provides noise reduction to adjust IR lighting intensity instantaneously based on the changes of light in the ambient environment.

To provide top-notch image quality, IP8355EH also comes with a P-iris lens, which controls the iris with extreme precision with its built-in stepper motor. By using software controls, the lens maintains the iris opening at an optimal level at all times, resulting in superior sharpness and depth of field as well as image quality. Furthermore, for installers, properly adjusting the focus of a megapixel network camera can be difficult due to the level of image detail. Therefore, IP8355EH is also designed with VIVOTEK's Smart Focus System to make installation and adjustment easier by using remote focus and zoom adjustment.

The camera's IP67-rated housing is designed to protect the camera body from being immersed in the water, even against the immersion at the depth of at least 1m. Additionally, the wide temperature range further enhances the IP8355EH performance and reliability in extremely cold and hot weather.

Features

- 1.3-Megapixel CMOS Sensor
- 30 fps @ 1280x1024
- Motorized P-iris Lens
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 30 Meters
- Smart IR Technology to Avoid Overexposure
- 3D Noise Reduction for Low-light Conditions
- WDR Pro II (140dB) to Provide Extreme Visibility in Extremely Bright or Dark Environments
- Smart Focus System for Remote and Precise Focus Adjustment
- Two-way Audio
- Weather-proof IP67-rated Housing

Lobby

Low Light

Bank

Arctic Weather

Technical Specifications

Model	IP8355EH

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	256 MB
RAM	384MB

Camera Features

Image Sensor	1/3" Progressive CMOS
Maximum Resolution	1280x1024 (1.3MP)
Lens Type	Vari-focal, Remote Focus
Focal Length	f = 3 ~ 9 mm
Aperture	F1.2 ~ F2.3
Auto-iris	P-iris
Field of View	34° ~ 80° (Horizontal)
	27° ~ 62° (Vertical)
	44° ~ 101° (Diagonal)
Shutter Time	1/5 sec. to 1/10,000 sec.
WDR Technology	WDR Pro II
Day/Night	Removable IR-cut filter for day & night function
	Smart IR Technology to avoid overexposure
Minimum Illumination	0.07 Lux @ F1.2, 50 IRE (Color)
	0.001 Lux @ F1.2, 50 IRE (B/W)
Pan/tilt/zoom Functionalities	ePTZ:
	48x digital zoom (4x on IE plug-in,12x built in)
IR Illuminators	Built-in IR illuminators, effective up to 30 meters
	IR LED*4, with Smart IR Technology
On-board Storage	SD/SDHC/SDXC card slot

Video

Compression	H.264, MJPEG
Maximum Frame Rate	30 fps @ 1280x1024
	In both compression modes
Maximum Streams	2 simultaneous streams
S/N Ratio	64db
Dynamic Range	140dB
Video Streaming	Adjustable resolution, quality and bitrate
Image Settings	Time stamp, text overlay, flip & mirror
	configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks, scheduled profile settings, 3D Noise Reduction, EIS

Audio

Audio Capability	Two-way audio (full duplex)
Compression	AAC, G.711, G.726
Interface	External microphone input
	Audio output

Network

Users	Live viewing for up to 10 clients
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP
Interface	10Base-T/100 BaseTX Ethernet (RJ-45)
ONVIF	Supported, specification available at www.onvif.org

Intelligent Video

Video Motion Detection	Triple-window video motion detection

Alarm and Event

Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and NAS server
	File upload via HTTP, SMTP, FTP and NAS server

General

Smart Focus System	Remote focus
Connectors	RJ-45 for Network/PoE connection
	Audio input/output
	AV output
	AC 24V power input
	DC 12V power input
	Digital input*1
	Digital output*1
LED Indicator	System power and status indicator
Power Input	DC12V/AC24V
	IEEE 802.3af PoE
Power Consumption	DC Max30W (Heater on) 8W (Heater off)
	AC Max. 30W (Heater on) 8.8W (Heater off)
	PoE Max. 11W
Dimensions	Ø: 85mm x 219mm
Weight	Net: 1,314g (Body only)
	Net: 1,911g (with stand and sunshield)
Casing	Weather-proof IP67-rated housing
Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, UL
Operating Temperature	Starting Temperature: -40°C ~ 50°C (-40°F ~ 122°F) (PoE: -10°C ~ 50°C)
	Working Temperature: -50°C ~ 50°C (-58°F ~ 122°F)
Warranty	24 months

System Requirements

Operating System	Microsoft Windows 8/7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~10 (streaming only)
	Internet Explorer 7/8/9/10
Other Players	VLC: 1.1.11 or above
	Quicktime: 7 or above

Included Accessories

CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
Others	Quick installation guide, warranty card, sun shield, wall mount bracket, waterproof RJ45 Ethernet enclosure, alignment sticker, desiccant bag, waterproof connector

Dimensions

97 mm   296 mm   221 mm   91 mm   221 mm

Compatible Accessories

Mounting Kits

AM-311
Pole Mount Adaptor

AM-411
Corner Mount Adaptor

PoE Kits

POE-IJ-1748NDN
PoE injector, 802.3af compliant