C SERIES

IB9383-HV

NDAA Compliance

5M 30fps, H.265, 3.6mm, 30M IR, Smart IR, SNV, WDR Pro, Deep Learning VCA, -30°C ~ 55°C

Key Features

- 30 fps @ 2560x1920

- H.265 Compression Technology with Smart Stream III

- 3.6mm, Fixed-focal

- Installation-friendly Design

- Weather-proof IP66 and Vandal-proof IK10 Protection

- SNV (Supreme Night Visibility) for Low Light Conditions

- WDR Pro for Unparalleled Visibility in Extremely Bright and Dark Environments

- Built-in IR Illuminators up to 30M with Smart IR

- Signed Firmware and Secure Boot

- AI-powered Smart Motion Detection and Smart VCA

- Cyber Protection via Trend Micro IoT Security

- NDAA Compliance

Specifications

System Information

Model	IB9383-HV
CPU	Multimedia SoC (System-on-Chip)
Flash	2 GB
RAM	8 GB

Camera Features

Image Sensor	1/2.8" Progressive CMOS
Max. Resolution	2560x1920 (5MP)
Lens Type	Fixed-focal
Focal Length	3.6mm
Aperture	F2.0
Iris Type	Fixed iris
Field of View	79.6° (Horizontal) 57.8° (Vertical) 105.8° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut filter	Yes
Illuminators	Built-in IR Illuminators up to 30 meters with Smart IR, IR LED*2
Minimum Illumination	0.055 lux @ F2.0 (Colour) 0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on
Pan / Tilt / Rotation Range	-- / 90° / 180°
Pan/Tilt/Zoom	ePTZ: 18x digital zoom (4x on IE plug-in, 4.5x built-in)
Storage	Seamless Recording to MicroSD/SDHC/SDXC card (1TB capacity supported) and recording to network-attached storage (NAS)

Video

Video Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 (5MP)
Maximum Streams	3 video streams (Up to 8 configurable profiles)
S/N Ratio	56 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and constant bit rate control, Smart Stream III

Audio

Audio Capability	One-way Audio
Audio Compression	G.711, G.726, MPEG-2 AAC-LC
Audio Interface	Built-in microphone
Effective Range	5 meters

Network

Users	Live viewing for up to 10 clients
Security	Access list, CSRF protection, digest authentication, HTTPS , IEEE 802.1x, Password protection, secure boot, signed firmware, Trend Micro IoT Security, user access log, user account management
Protocols	802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP/SFTP, HTTP, HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTCIP, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS 1.2/1.3, UDP, UPnP
Interface	10 Base-T/100 Base-TX Ethernet (RJ-45)
ONVIF	Profile G, S, T supported

AI Analytics

Vision Object Analytics	Object Detection: People, Vehicle (4-wheeled, 2-wheeled); Attribute Extraction: People (gender, clothing colour, bag, hat), Vehicle (bike, bus, car, motorcycle, truck, colour); Re-Search Extraction; Path Extraction
Smart VCA Included	Smart Motion Detection (Five-window video motion detection, People detection, Vehicle detection, Time filter) Smart VCA (Intrusion detection, Loitering detection, Line crossing detection)
Smart VCA (License Required)	Unattended object detection, Missing object detection, Face detection, Crowd detection, Running detection, Parking Violation Detection, Restricted Zone Detection

Solution Integration

Applications	Trend Micro IoT Security (One-year free trial)

Alarm and Event

Event Trigger	Camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, shock detection, system boot, video loss, video restoration
Event Action	Event notification via camera link, email, HTTP, FTP/SFTP, NAS server, SD card, push notification File upload via email, HTTP, FTP/SFTP, NAS server, SD card

General

Connectors	10 Base-T/100 Base-TX Ethernet (RJ-45)
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 3
Power Consumption	Max. 10.6 W / 6.0 W (IR on/off)
Dimensions	Ø 91.0 x 226.6 mm
Weight	925 g
Certifications	EMC: CE (EN 55032/EN 55035 Class A), UKCA (BS EN 55032/BS EN 55035 Class A), FCC (FCC Part 15 Subpart B Class A), RCM (AS/NZS CISPR 32 Class A), VCCI (VCCI-CISPR 32 Class A), IC (ICES-003 Issue 7, Class A) Safety: UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471), LVD (IEC/EN 62368-1), UKCA (BS EN 62368-1); Environment: IK10 (IEC 62262)*, IP66 (IEC 60529)*; IA: BIS (IS 13252), BSMI (EMC: CNS 15936, Safety: CNS 15598-1)
Operating Temperature	Starting Temperature: -10°C ~ 50°C (-14°F ~ 122°F) Working Temperature: -30°C ~ 55°C (-22°F ~ 131°F) (IR off) Working Temperature: -30°C ~ 50°C (-22°F ~ 122°F) (IR on)
Humidity	90% RH (non-condensing)

System Requirements

Operating System	Microsoft Windows 10/8/7 Mac 10.12 (Chrome only)
Web Browser	Chrome 58.0 or above
Other Players	VLC: 1.1.11 or above

Accessories

Included Accessories	TBD

Notes:

1. The information provided in this datasheet represents preliminary specifications for the upcoming this camera. As the camera is still in development, specifications and features are subject to change without prior notice.
2. VIVOTEK reserves the right to update or revise the specifications outlined in this document as the product development progresses. Customers are advised to stay updated through official communications channels for the latest information.
3. While every effort has been made to ensure the accuracy of the information provided, discrepancies may arise during the development phase. VIVOTEK shall not be held liable for any inaccuracies or errors in the preliminary datasheet.
4. For precise and up-to-date information regarding this camera, customers are encouraged to consult directly with VIVOTEK representatives or authorized distributors.
5. The product photo included in this datasheet is for illustrative purposes only and may not represent the final design of the product.