



V-PRO H.265 LINE

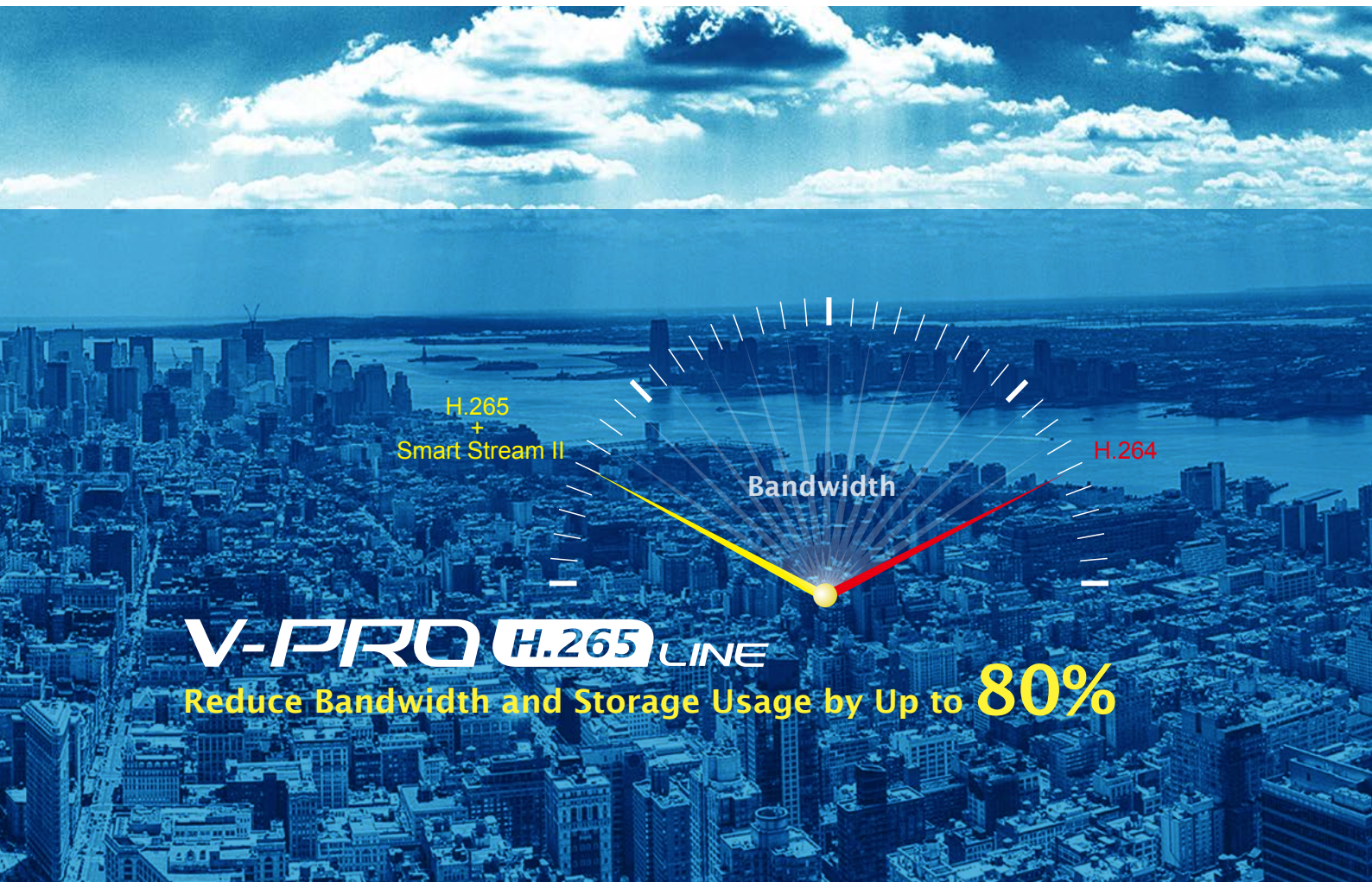
Reduce Bandwidth and Storage Usage by Up to **80%**



The Next Generation of Video Compression Technology

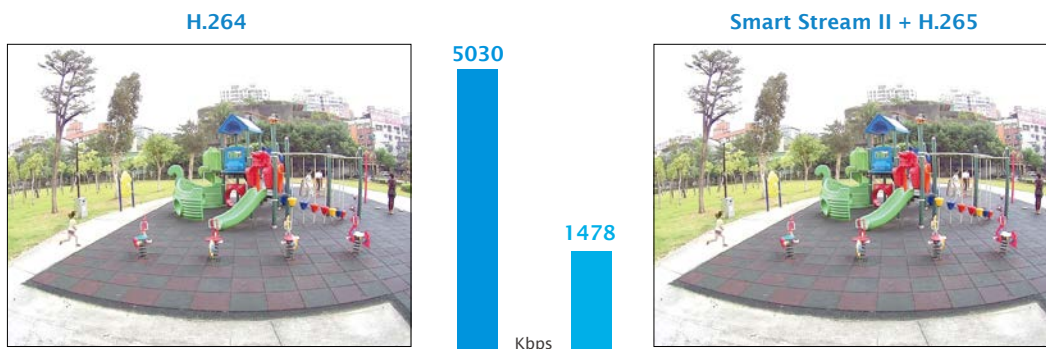
VIVOTEK, a Leading Provider of H.265

A pioneer in the use of H.265 technology for surveillance, VIVOTEK is proud to launch the new V-Pro H.265 Line network cameras, available in both 3-Megapixel and 5-Megapixel models and in a range of form factors to suit any application. Employing H.265 technology empowers these cameras to provide higher and more efficient image compression rates than previous H.264 systems.



VIVOTEK's Smart Stream II, Making Your Bandwidth More Efficient

Smart Stream II is the next generation of VIVOTEK's video compression technology. Utilizing VIVOTEK's Smart Stream II, cameras are able to optimize quality for desired regions and ensure maximum efficiency of bandwidth. This evolution means that customers will benefit from a significant reduction in network bandwidth and storage requirements. Combining H.265 and VIVOTEK's Smart Stream II, the V-Pro H.265 Line cameras reduce both bandwidth and storage consumption by up to 80% more than cameras using H.264 while maintaining the high image quality.



Advanced Features of the V-PRO H.265 LINE

WDR Pro (Wide Dynamic Range)

Utilizing WDR Pro technology enables the V-Pro H.265 Line cameras to capture details clearly under high-contrast lighting conditions where both dimly and brightly lit areas are present in the field of view.



Without WDR Pro



With WDR Pro

SNV (Supreme Night Visibility)

V-Pro H.265 Line cameras are equipped with SNV technology, making high-quality full-color surveillance video possible even in extreme low-light conditions.



Conventional Camera



VIVOTEK SNV Camera - Show you true colors

DIS (Digital Image Stabilization)

The 5MP cameras of the V-Pro H.265 Line employ DIS, which can correct image instability caused by shaking or movement so as to maintain clear image quality. This results in clearer, more reliable imagery in situations where cameras may be shaken by wind or other environmental factors.



Without DIS

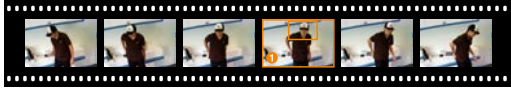


With DIS

60 fps

For applications focusing on fast moving objects, such as traffic monitoring or casinos, the 5MP cameras of V-Pro H.265 Line can support up to 60 fps @ 1080p, delivering smooth and outstanding image quality no matter how fast the action unfolds.

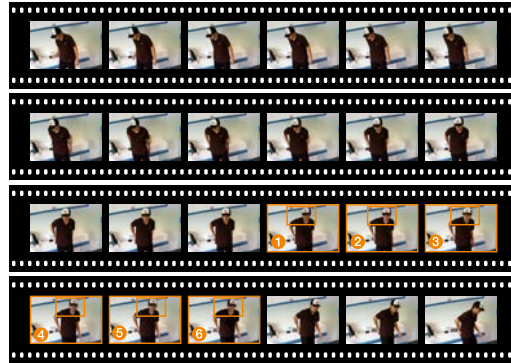
10 fps



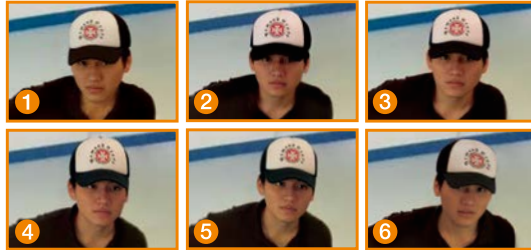
Key frame



60 fps

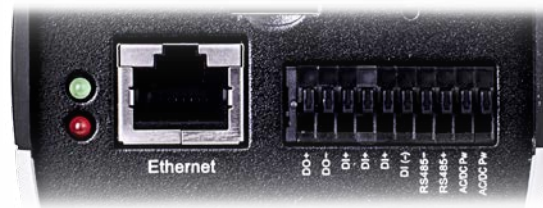


Key frame



Gigabit Ethernet Port

The IP9171-HP and IP9181-H support the Gigabit Ethernet port with IEEE 802.3at/af compliant PoE standard, for 10/100/1000Mbps speeds of transmission.



VIVOTEK's H.265 Total Solution for Any Application

As well as the V-Pro H.265 Line network cameras, VIVOTEK also introduces H.265 compatible NVRs and VIVOTEK's video management software, VAST, to both shorten installation time and reduce project costs. VIVOTEK's complete H.265 solution is perfect for a wide range of environments, including indoor/outdoor and small-to-medium scale applications.



H.265 IP Cameras



ND9441/9541
H.265 16/32-CH NVR



Internet



VAST VMS



Vari-focal (Remote Focus)



Model Name	IB9371-HT/71-EHT	FD9371-HTV/71-EHTV	FD9171-HT	IP9171-HP
Sensor Type	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS
Lens Type	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus	CS-Mount, Vari-focal Remote Back Focus
F-number	F1.2 ~ F2.3	F1.2 ~ F2.3	F1.2 ~ F2.3	F1.2 ~ F1.95
Focal Length	f= 3 ~ 9 mm	f= 3 ~ 9 mm	f= 3 ~ 9 mm	f= 2.8 ~ 8 mm
Field of View	39° ~ 82° (H) 29° ~ 60° (V)	41° ~ 86° (H) 31° ~ 64° (V)	41° ~ 86° (H) 31° ~ 64° (V)	51° ~ 114° (H) 39° ~ 84° (V)
Auto-iris	P-iris	P-iris	P-iris	P-iris
Day/Night	Yes	Yes	Yes	Yes
IR Illuminators	30 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*8	-
Smart IR	Yes	Yes	Yes	-
PIR	-	-	Yes	-
Min. Illumination	0.01 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.01 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.01 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.01 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)
Max. Video Resolution	2048x1536 (3MP)	2048x1536 (3MP)	2048x1536 (3MP)	2048x1536 (3MP)
Frames per Second	H.265 & H.264: 30fps @ 2048x1536 MJPEG: 15fps @ 2048x1536	H.265 & H.264: 30fps @ 2048x1536 MJPEG: 15fps @ 2048x1536	H.265 & H.264: 30fps @ 2048x1536 MJPEG: 15fps @ 2048x1536	H.265 & H.264: 30fps @ 2048x1536 MJPEG: 15fps @ 2048x1536
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Multiple Streams	3 Streams	3 Streams	3 Streams	3 Streams
Smart Stream II	Yes	Yes	Yes	Yes
WDR Technology	WDR Pro	WDR Pro	WDR Pro	WDR Pro
3DNR	Yes	Yes	Yes	Yes
Video Rotation	90°/270°	90°/270°	90°/270°	90°/270°
Defog	Yes	Yes	Yes	Yes
DIS	-	-	-	-
Standard VCA*	Yes	Yes	Yes	Yes
Power Input	DC 12V IB9371-HT: IEEE 802.3af/at PoE Class 0 IB9371-EHT: IEEE 802.3at PoE Class 4	DC 12V FD9371-HTV: IEEE 802.3af PoE Class 0 FD9371-EHTV: IEEE 802.3at PoE Class 4	DC 12V IEEE 802.3af/at PoE Class 0	DC 12V AC 24V IEEE 802.3af/at PoE Class 0
Power Consumption	IB9371-HT: Max. 11 W IB9371-EHT: Max. 23.6 W (Heater on)	FD9371-HTV: Max. 12 W FD9371-EHTV: Max. 24.7 W (Heater on)	Max. 12 W	Max. 8.6 W
Digital Input / Output	1/1	1/1	1/1	3/1
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	Profile S/G	Profile S/G	Profile S/G	Profile S/G
On-board Storage	SD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Housing	IP66 IK10 (Casing Only)	IP66 IK10	-	-
Dimensions	Ø 88 x 293 mm	Ø 155 x 103 mm	Ø 138 x 103 mm	210 (D) x 70 (W) x 63 (H) mm
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F) (IB9371-HT) -50°C ~ 50°C (-58°F ~ 122°F) (IB9371-EHT)	-20°C ~ 50°C (-4°F ~ 122°F) (FD9371-HTV) -50°C ~ 50°C (-58°F ~ 122°F) (FD9371-EHTV)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)

* VIVOTEK's Standard VCA (Video Content Analysis) is available by request on a per project basis.



Vari-focal (Remote Focus)



Model Name	IB9381-HT/81-EHT	FD9381-HTV/81-EHTV	FD9181-HT	IP9181-H
Sensor Type	1/1.8" progressive CMOS	1/1.8" progressive CMOS	1/1.8" progressive CMOS	1/1.8" progressive CMOS
Lens Type	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus	CS-Mount, Vari-focal Remote Back Focus
F-number	F1.3 ~ F2.2	F1.3 ~ F2.2	F1.3 ~ F2.2	F1.6 ~ F2.4
Focal Length	f= 4 ~ 9 mm	f= 4 ~ 9 mm	f= 4 ~ 9 mm	f= 4.1 ~ 9 mm
Field of View	45° ~ 84° (H) 34° ~ 62° (V)	45° ~ 93° (H) 34° ~ 68° (V)	45° ~ 93° (H) 34° ~ 68° (V)	46° ~ 90° (H) 35° ~ 68° (V)
Auto-iris	P-iris	P-iris	P-iris	DC-iris (P-iris reserved)
Day/Night	Yes	Yes	Yes	Yes
IR Illuminators	30 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*8	-
Smart IR	Yes	Yes	Yes	-
PIR	-	-	Yes	-
Min. Illumination	0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.07 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)
Max. Video Resolution	2560x1920 (5MP)	2560x1920 (5MP)	2560x1920 (5MP)	2560x1920 (5MP)
Frames per Second	H.265 & H.264: 30fps @ 2560x1920 60fps @ 1920x1080 MJPEG: 12fps @ 2048x1536 30fps @ 1920x1080	H.265 & H.264: 30fps @ 2560x1920 60fps @ 1920x1080 MJPEG: 12fps @ 2048x1536 30fps @ 1920x1080	H.265 & H.264: 30fps @ 2560x1920 60fps @ 1920x1080 MJPEG: 12fps @ 2048x1536 30fps @ 1920x1080	H.265 & H.264: 30fps @ 2560x1920 60fps @ 1920x1080 MJPEG: 12fps @ 2048x1536 30fps @ 1920x1080
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Multiple Streams	4 Streams	4 Streams	4 Streams	4 Streams
Smart Stream II	Yes	Yes	Yes	Yes
WDR Technology	WDR Pro	WDR Pro	WDR Pro	WDR Pro
3DNR	Yes	Yes	Yes	Yes
Video Rotation	90°/270°	90°/270°	90°/270°	90°/270°
Defog	Yes	Yes	Yes	Yes
DIS	Yes	Yes	Yes	Yes
Standard VCA*	Yes	Yes	Yes	Yes
Power Input	DC 12V IB9381-HT:IEEE 802.3af/at PoE Class 0 IB9381-EHT:IEEE 802.3at PoE Class 4	DC 12V FD9381-HTV:IEEE 802.3af/at PoE Class 0 FD9381-EHTV:IEEE 802.3at PoE Class 4	DC 12V IEEE 802.3af/at PoE Class 0	DC 12V AC 24V IEEE 802.3af/at PoE Class 0
Power Consumption	IB9381-HT: Max. 12.7 W IB9381-EHT: Max. 25.5 W (Heater on)	FD9381-HTV: Max. 12.8 W FD9381-EHTV: Max. 25.5 W (Heater on)	Max. 12.8 W	Max. 9.7 W
Digital Input / Output	1/1	1/1	1/1	3/1
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	Profile S/G	Profile S/G	Profile S/G	Profile S/G
On-board Storage	SD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Housing	IP66 IK10 (Casing Only)	IP66 IK10	-	-
Dimensions	Ø 88 x 293 mm	Ø 155 x 103 mm	Ø 138 x 103 mm	210 (D) x 70 (W) x 63 (H) mm
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F) (IB9381-HT) -50°C ~ 50°C (-58°F ~ 122°F) (IB9381-EHT)	-20°C ~ 50°C (-4°F ~ 122°F) (FD9381-HTV) -50°C ~ 50°C (-58°F ~ 122°F) (FD9381-EHTV)	-20°C ~ 50°C (-4°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)

* VIVOTEK's Standard VCA (Video Content Analysis) is available by request on a per project basis.



All specifications are subject to change without notice.
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VIVOTEK INC.

6F, No.192, Lien-Cheng Rd., Chung-Ho, New Taipei City, 23553 Taiwan
| T: +886 2 8245 5282 | F: +886 2 8245 5532 | E: sales@vivotek.com

VIVOTEK USA

2050 Ringwood Avenue, San Jose, CA 95131
| T: +1 408-773-8686 | F: +1 408-773-8298 | E: salesusa@vivotek.com

VIVOTEK Europe

Randstad 22-133, 1316BW Almere, The Netherlands
| T: +31(0)36-5298-434 | E: sales@vivotek.com

VIVOTEK India

602, Best Sky Tower, Plot No. F-5, Netaji Subhash Place, Pitam Pura,
Delhi - 110 034
| T: +91-45137465 | E: salesindia@vivotek.com

VIVOTEK Middle East

Room 1802, P.O.Box: 61053, Jafza ONE, Jebel Ali free zone, Dubai, UAE
| T: +971-4-8815333 | F: +971-4-8815205 | E: salesme@vivotek.com

VIVOTEK México

Ejército Nacional N1 418 Piso 7, Oficina 711 Col. Polanco V Sección,
Delegación Miguel Hidalgo México, D.F.
| T: + 52 55 1101 1793 | E: salesmexico@vivotek.com