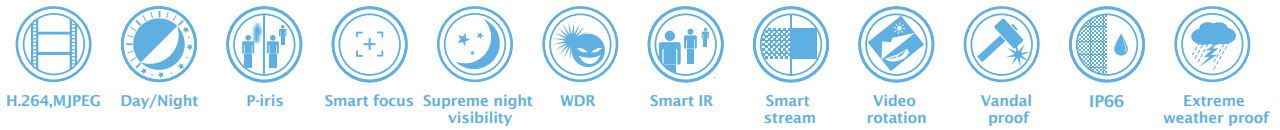




V-PRO LINE

*Versatile solutions with advanced features
for professional surveillance projects*

For an ever-expanding range of surveillance deployments, VIVOTEK's versatile V-Pro Line presents a lineup of 2MP and 5MP network cameras with high performance and advanced features. The 2MP network cameras provide Full HD image at 30 fps, and equip with WDR Pro and SNV (Supreme Night Visibility) technology. The 5MP network cameras provide a detailed resolution at 15 fps, and equip with WDR Enhanced and Smart Stream technology. The 20 V-Pro Line network cameras are available in bullet and dome types with fixed focus and remote focus lens and wide operating temperature range options, making them highly flexible and expandable to meet a wide range of requirements.



SNV

SNV stands for Supreme Night Visibility. VIVOTEK SNV-label products incorporate carefully selected quality optical components and sophisticated image signal processing algorithms to reproduce high quality color images, even in very low-light conditions.



Conventional Camera



VIVOTEK SNV Camera - Show you true colors

WDR

Wide Dynamic Range (WDR) technology improves a camera's image quality under high-contrast lighting conditions where both dimly and brightly lit areas are present in the field of view.



Without WDR



With WDR

P-iris

By exerting finer control over image quality and avoiding diffraction, P-iris provides compelling advantages over other auto iris types. It is especially valuable for cameras used in outdoor environments, in demanding surveillance applications, or in any situation in which light levels are highly variable. (Available in vari-focal models)



Conventional Lens



P-iris Lens

30M IR

Built-in highly efficient IR LEDs empowers VIVOTEK's V-Pro Line to provide illumination effectively for up to 30 meters at night, producing enhanced captured images and details when compared to conventional systems.



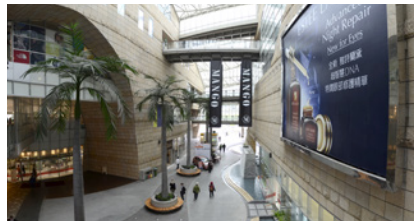
30M IR Off



30M IR On

Video Rotation

Video Rotation can provide wider vertical coverage for more depth, and make a hallway or corridor view more visible. In a vertical-shaped scenario, conventional horizontal views can waste pixel usage. This function allows the image frame to be digitally rotated 90 degrees or 270 degrees, and thus to fit the view without wasting pixels.



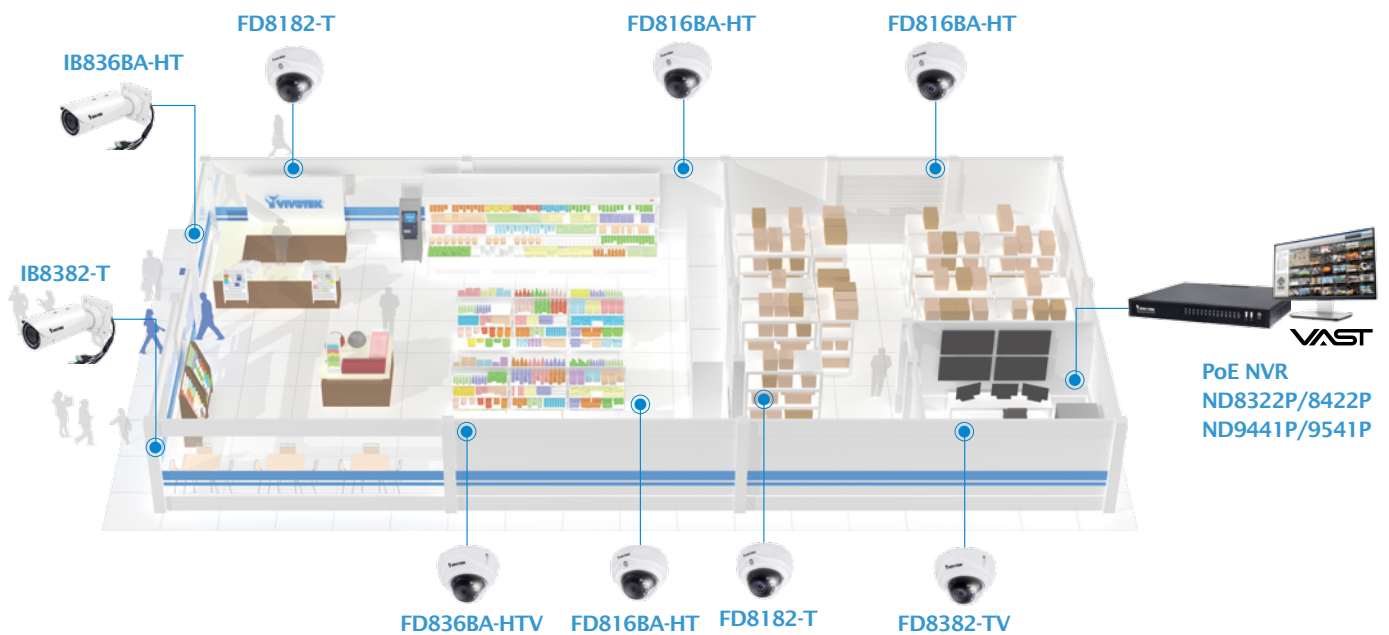
16:9



9:16

Ideal Surveillance Solutions for Any Applications




VIVOTEK's V-Pro Line network cameras, NVR with PoE, and VAST/VAST 2 (VMS) are professionally designed for IP surveillance with advanced features and intuitive functionalities. The VIVOTEK total solution saves users installation time and cost, making it ideal for both indoor and outdoor applications such as retail, parking lots, factories and intelligent buildings.



VIVOTEK total solutions for small to medium scale applications






Vari-focal (Remote Focus)

Application	Vandal-proof / Outdoor		Indoor
			
Model Name	IB836BA-HT/6BA-EHT	FD836BA-HTV/6BA-EHTV	FD816BA-HT
Sensor Type	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus
F-number	F1.8 ~ F2.85	F1.8 ~ F2.85	F1.8 ~ F2.85
Focal Length	f = 2.8 ~ 12 mm	f = 2.8 ~ 12 mm	f = 2.8 ~ 12 mm
Field of View	34° ~ 112° (H) 19° ~ 59° (V)	34° ~ 107° (H) 19° ~ 56° (V)	34° ~ 107° (H) 19° ~ 56° (V)
Auto-iris	P-iris	P-iris	P-iris
Day/Night	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	0.1 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)	0.1 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)	0.1 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)
Max. Video Resolution	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per Second	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	4 Streams	4 Streams	4 Streams
Smart Stream	Yes	Yes	Yes
WDR Technology	WDR Pro	WDR Pro	WDR Pro
3DNR	Yes	Yes	Yes
Video Rotation	90°/270°	90°/270°	90°/270°
Defog	Yes	Yes	Yes
Power Input	DC 12V IB836BA-HT: IEEE 802.3af/at PoE Class 0 IB836BA-EHT: IEEE 802.3at PoE Class 4	DC 12V FD836BA-HTV: IEEE 802.3af/at PoE Class 0 FD836BA-EHTV: IEEE 802.3at PoE Class 4	DC 12V IEEE 802.3af/at PoE Class 0
Power Consumption	IB836BA-HT: Max. 13 W IB836BA-EHT: Max. 25 W (Heater on)	FD836BA-HTV: Max. 13 W FD836BA-EHTV: Max. 25 W (Heater on)	Max. 13 W
Digital Input / Output	1/1	1/1	1/1
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	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
Housing	IP66 (Camera body) IK10 (Camera body)	IP66 IK10	-
Dimensions	Ø 88 x 293 mm	Ø 155 x 103 mm	Ø 138 x 103 mm
Operating Temperature	IB836BA-HT: -20°C ~ 50°C (-4°F ~ 122°F) IB836BA-EHT: -50°C ~ 50°C (-58°F ~ 122°F)	FD836BA-HTV: -20°C ~ 50°C (-4°F ~ 122°F) FD836BA-EHTV: -50°C ~ 50°C (-58°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)






Fixed-focal

Application	Vandal-proof / Outdoor		Indoor
			
Model Name	IB836BA-HF3/6BA-EHF3	FD836BA-HVF2/6BA-EHVF2	FD816BA-HF2
Sensor Type	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal
F-number	F2.1	F1.8	F1.8
Focal Length	f = 3.6 mm	f = 2.8 mm	f = 2.8 mm
Field of View	90° (H) 46° (V)	122° (H) 66° (V)	122° (H) 66° (V)
Auto-iris	-	-	-
Day/Night	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	0.16 Lux @ F2.1 (Color) 0.01 Lux @ F2.1 (B/W)	0.15 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)	0.15 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)
Max. Video Resolution	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per Second	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	4 Streams	4 Streams	4 Streams
Smart Stream	Yes	Yes	Yes
WDR Technology	WDR Pro	WDR Pro	WDR Pro
3DNR	Yes	Yes	Yes
Video Rotation	90°/270°	90°/270°	90°/270°
Defog	Yes	Yes	Yes
Power Input	DC 12V IB836BA-HF3: IEEE 802.3af/at PoE Class 0 IB836BA-EHF3: IEEE 802.3at PoE Class 4	DC 12V FD836BA-HVF2: IEEE 802.3af/at PoE Class 0 FD836BA-EHVF2: IEEE 802.3at PoE Class 4	DC 12V IEEE 802.3af/at PoE Class 0
Power Consumption	IB836BA-HF3: Max. 9 W IB836BA-EHF3: Max. 25 W (Heater on)	FD836BA-HVF2: Max. 9 W FD836BA-EHVF2: Max. 25 W (Heater on)	Max. 9 W
Digital Input / Output	1/1	1/1	1/1
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	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
Housing	IP66 (Camera body) IK10 (Camera body)	IP66 IK10	-
Dimensions	Ø 88 x 293 mm	Ø 155x 103 mm	Ø 138 x 103 mm
Operating Temperature	IB836BA-HF3: -20°C ~ 50°C (-4°F ~ 122°F) IB836BA-EHF3: -50°C ~ 50°C (-58°F ~ 122°F)	FD836BA-HVF2: -20°C ~ 50°C (-4°F ~ 122°F) FD836BA-EHVF2: -50°C ~ 50°C (-58°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)






Vari-focal (Remote Focus)

Application	Vandal-proof / Outdoor		Indoor
			
Model Name	IB8382-T/82-ET	FD8382-TV/ETV	FD8182-T
Sensor Type	1/3.2" Progressive CMOS	1/3.2" Progressive CMOS	1/3.2" Progressive CMOS
Lens Type	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus
F-number	F1.2 ~ F2.3	F1.2 ~ F2.3	F1.2 ~ F2.3
Focal Length	f = 3 ~ 9 mm	f = 3 ~ 9 mm	f = 3 ~ 9 mm
Field of View	35° ~ 78° (H) 27° ~ 54° (V)	35° ~ 78° (H) 27° ~ 54° (V)	35° ~ 78° (H) 27° ~ 54° (V)
Auto-iris	P-iris	P-iris	P-iris
Day/Night	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 @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.04 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.04 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)
Max. Video Resolution	2560x1920 (5MP)	2560x1920 (5MP)	2560x1920 (5MP)
Frames per Second	15 fps @ 2560x1920 15 fps @ 2048x1536 30 fps @ 1920x1080	15 fps @ 2560x1920 15 fps @ 2048x1536 30 fps @ 1920x1080	15 fps @ 2560x1920 15 fps @ 2048x1536 30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	4 Streams	4 Streams	4 Streams
Smart Stream	Yes	Yes	Yes
WDR Technology	WDR Enhanced	WDR Enhanced	WDR Enhanced
3DNR	Yes	Yes	Yes
Video Rotation	90°/270°	90°/270°	90°/270°
Defog	Yes	Yes	Yes
Power Input	DC 12V IB8382-T: IEEE 802.3af/at PoE Class 0 IB8382-ET: IEEE 802.3at PoE Class 4	DC 12V FD8382-TV: IEEE 802.3af/at PoE Class 0 FD8382-ETV: IEEE 802.3at PoE Class 4	DC 12V IEEE 802.3af/at PoE Class 0
Power Consumption	IB8382-T: Max. 9.5 W IB8382-ET: Max. 25 W (Heater on)	FD8382-TV: Max. 9.5 W FD8382-ETV: Max. 25 W (Heater on)	Max. 9.5 W
Digital Input / Output	1/1	1/1	1/1
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	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
Housing	IP66 IK10 (Casing Only)	IP66 IK10	-
Dimensions	Ø 88 x 293 mm	Ø 155 x 103 mm	Ø 138 x 103 mm
Operating Temperature	IB8382-T: -20°C ~ 50°C (-4°F ~ 122°F) IB8382-ET: -50°C ~ 50°C (-58°F ~ 122°F)	FD8382-TV: -20°C ~ 50°C (-4°F ~ 122°F) FD8382-ETV: -50°C ~ 50°C (-58°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)



Fixed-focal

Application	Vandal-proof / Outdoor		Indoor
			
Model Name	IB8382-F3/82-EF3	FD8382-VF2/82-EVF2	FD8182-F2
Sensor Type	1/3.2" Progressive CMOS	1/3.2" Progressive CMOS	1/3.2" Progressive CMOS
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal
F-number	F2.1	F1.8	F1.8
Focal Length	f = 3.6 mm	f = 2.8 mm	f = 2.8 mm
Field of View	68° (H) 51° (V)	90° (H) 67° (V)	90° (H) 67° (V)
Auto-iris	-	-	-
Day/Night	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	0.089 Lux @ F2.1 (Color) 0.001 Lux @ F2.1 (B/W)	0.39 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.39 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)
Max. Video Resolution	2560x1920 (5MP)	2560x1920 (5MP)	2560x1920 (5MP)
Frames per Second	15 fps @ 2560x1920 15 fps @ 2048x1536 30 fps @ 1920x1080	15 fps @ 2560x1920 15 fps @ 2048x1536 30 fps @ 1920x1080	15 fps @ 2560x1920 15 fps @ 2048x1536 30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	4 Streams	4 Streams	4 Streams
Smart Stream	Yes	Yes	Yes
WDR Technology	WDR Enhanced	WDR Enhanced	WDR Enhanced
3DNR	Yes	Yes	Yes
Video Rotation	90°/270°	90°/270°	90°/270°
Defog	Yes	Yes	Yes
Power Input	DC 12V IB8382-F3: IEEE 802.3af/at PoE Class 0 IB8382-EF3: IEEE 802.3at PoE Class 4	DC 12V FD8382-VF2: IEEE 802.3af/at PoE Class 0 FD8382-EVF2: IEEE 802.3at PoE Class 4	DC 12V IEEE 802.3af/at PoE Class 0
Power Consumption	IB8382-F3: Max. 9 W IB8382-EF3: Max. 25 W (Heater on)	FD8382-VF2: Max. 9 W FD8382-EVF2: Max. 25 W (Heater on)	Max. 9 W
Digital Input / Output	1/1	1/1	1/1
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	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
Housing	IP66 IK10 (Casing Only)	IP66 IK10	-
Dimensions	Ø 88 x 293 mm	Ø 155 x 103 mm	Ø 138 x 103 mm
Operating Temperature	IB8382-F3: -20°C ~ 50°C (-4°F ~ 122°F) IB8382-EF3: -50°C ~ 50°C (-58°F ~ 122°F)	FD8382-VF2: -20°C ~ 50°C (-4°F ~ 122°F) FD8382-EVF2: -50°C ~ 50°C (-58°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)



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