



New Products  
Function Introduction  
Network Camera Comparison Chart  
PTZ  
Fixed Dome  
360-degree Dome  
Box  
Pan/Tilt  
Fixed  
Network products  
Other

네트워크 카메라 비교표		Fixed Dome				
실내 / 실외		Outdoor				
제품명		WV-SFV781L	WV-SFV831LT	WV-SFV831L	WV-SFV811L	WV-SFV531
외관						
센서		1/1.7 MOS	1/3 MOS	1/3 MOS	1/3 MOS	1/3 MOS
코덱과 전송	Video Codec	H.264 / JPEG	H.264 / JPEG	H.264 / JPEG	H.264 / JPEG	H.264 / JPEG
	H.264 multi stream	4	4	4	4	4
	JPEG multi stream	2	6 (Variable)	6 (Variable)	6 (Variable)	6 (Variable)
	H.264 VBR / AVBR (Advanced VBR)	VBR / AVBR	VBR (V1.52) / AVBR	VBR (V1.52) / AVBR	VBR (V1.52) / AVBR	VBR / AVBR
	Smart coding	Yes	Yes	Yes	Yes	Yes
최대 해상도	16 : 9	3040 x 2100	1920 x 1080	1920 x 1080	1280 x 720	1920 x 1080
	4 : 3	4000 x 3000	2048 x 1536 (*1)	2048 x 1536 (*1)	1280 x 960	2048 x 1536 (*1)
최대 FPS ※ 최대 해상도	H.264	30fps (4K)	60fps (1080p)	60fps (1080p)	60fps (720p)	60fps (1080p)
	JPEG	10fps (12 MP)	30fps (3 MP)	30fps (3 MP)	30fps (1.3 MP)	30fps (3 MP)
Super Dynamic / WDR / BLC		WDR	Enhanced SD	Enhanced SD	Enhanced SD	Enhanced SD
주야간 전환		Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
ABF (Auto Back Focus) / Focus Assist		ABF	ABF	ABF	ABF	ABF
최소 조도	Color	0.3 lx @F1.6	0.06 lx @F1.6	0.04 lx @F1.3	0.01 lx @F1.3	0.07 lx @F1.6
	Color (Sens up)	0.02 lx (16x)	0.0045 lx (16x)	0.003 lx (16x)	0.0007 lx (16x)	0.005 lx (16x)
	B/W	0.0 lx @F1.6 (w/IR)	0.0 lx @F1.6 (w/IR)	0.0 lx @F1.3 (w/IR)	0.0 lx @F1.3 (w/IR)	0.01 lx @F1.6
	B/W (Sens up)	—	—	—	—	0.0007 lx (16x)
렌즈		f=4.2 to 25.2 mm, F1.6	f= 9 to 22 mm, F1.6 Motorized	f= 2.8 to 10 mm, F1.3 Motorized	f= 2.8 to 10 mm, F1.3 Motorized	f=2.8 to 9.5 mm, F1.6
회각	16 : 9	H: 17 to 96 deg. V: 9.3 to 54 deg.	H: 13.8 to 33.0 deg. V: 7.7 to 17.8 deg.	H: 28.8 to 102.6 deg. V: 16.0 to 56.0 deg.	H: 26.4 to 93.7 deg. V: 16.0 to 51.6 deg.	H: 31 to 109 deg. V: 18 to 59 deg.
	4 : 3	H: 17 to 100 deg. V: 13 to 75 deg.	H: 11.5 to 27.0 deg. V: 8.6 to 19.9 deg.	H: 23.7 to 84.3 deg. V: 17.8 to 62.4 deg.	H: 26.4 to 93.7 deg. V: 20 to 69.3 deg.	H: 26 to 89 deg. V: 20 to 66 deg.
포틸 각도	Pan	-180 to +180 deg.	-180 to +180 deg.	-180 to +180 deg.	-180 to +180 deg.	-180 to +180 deg.
	Tilt	0 to +85 deg.	0 to +85 deg.	0 to +85 deg.	0 to +85 deg.	-85 to +85 deg.
광학줌		6x	2.4x	3.6x	3.6x	3.3x
디지털줌		4x	4x	4x	4x	4x
VMD (Video Motion Detection)		Yes (4-area)	Yes (4-area)	Yes (4-area)	Yes (4-area)	Yes (4-area)
i-VMD (Intelligent VMD) (widevision software)		—	Yes (Type2)	Yes (Type2)	Yes (Type2)	Yes (Type2)
WDR		Yes (8-area)	Yes (8-area)	Yes (8-area)	Yes (8-area)	Yes (8-area)
최대 연결		14	14	14	14	14
오디오	In (Line)	Yes	Yes	Yes	Yes	Yes
	In (Built-in MIC)	—	—	—	—	—
	Out	Yes	Yes	Yes	Yes	Yes
	Codec	G.711 / G.726 / AAC (*2)	G.711 / G.726 / AAC	G.711 / G.726 / AAC	G.711 / G.726 / AAC	G.711 / G.726 / AAC
Audio Detection Alarm		Yes	Yes	Yes	Yes	
SD 메모리 카드	Slot	Yes (SDXC)	Yes (SDXC x 2)	Yes (SDXC x 2)	Yes (SDXC x 2)	Yes (SDXC)
	Password & Alter Detection	—	Yes (V1.52)	Yes (V1.52)	Yes (V1.52)	Yes
	Audio REC	Yes	Yes	Yes	Yes	Yes
외부 입출력		Yes (3) (*3)	Yes (3) (*4)	Yes (3) (*4)	Yes (3) (*4)	Yes (3) (*4)
모니터 출력		Yes (RCA)	Yes (mini jack)	Yes (mini jack)	Yes (mini jack)	Yes (mini jack)
피슨 (반달) 방지 기능		20J, IK10	50J, IK10	50J, IK10	50J, IK10	50J, IK10
장전방수		IP66 / NEMA 4X	IP66 / NEMA 4X	IP66 / NEMA 4X	IP66 / NEMA 4X	IP66 / NEMA 4X
작동 온도		-45 to +50 deg.	-45 to +50 deg.	-45 to +50 deg.	-45 to +50 deg.	-40 to +50 deg.
전원		12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE
재습 방지		Yes	Yes	Yes	Yes	Yes
가이드 기능		Built-in heater, Rain wash coating, Built-in IR LED	Smart-Def, Built-in heater, Built-in IR LED	Smart-Def, Built-in heater, Built-in IR LED	Smart-Def, Built-in heater, Built-in IR LED	Built-in heater

(\*1) Super resolution \*2SE 시 (\*2) SD REC 2 \*3G (\*3) Alarm In (Day/Night In, Alarm In2/Alarm Out, Alarm In3/Alarm Out, Day/Night Out) (x1 for each) (\*4) Alarm In (Day/Night In, Alarm In2/Alarm Out, Alarm In3/Alarm Out) (x1 for each)

네트워크 카메라 비교표		Fixed Dome			
실내 / 실외		Outdoor			
제품명		WV-SFV311A	WV-SFV310A	WV-SFV130 / WV-SFV130M	WV-SFV110 / WV-SFV110M
외관					
센서		1/3 MOS	1/3 MOS	1/3 MOS	1/3 MOS
코덱과 전송	Video Codec	H.264 / JPEG	H.264 / JPEG	H.264 / JPEG	H.264 / JPEG
	H.264 multi stream	4	4	4	4
	JPEG multi stream	6 (Variable)	6 (Variable)	6 (Variable)	6 (Variable)
	H.264 VBR / AVBR (Advanced VBR)	VBR / AVBR	VBR / AVBR	VBR / AVBR	VBR / AVBR
	Smart coding	Yes	Yes	Yes	Yes
최대 해상도	16 : 9	1920 x 1080 (*1) / 1280 x 720	1920 x 1080 (*1) / 1280 x 720	1920 x 1080	1280 x 720
	4 : 3	1280 x 960	1280 x 960	2048 x 1536 (*2)	1280 x 960
최대 FPS ※ 최대 해상도	H.264	60fps (720p)	60fps (720p)	30fps (1080p)	30fps (720p)
	JPEG	30fps (1.3 MP)	30fps (1.3 MP)	30fps (1080p)	30fps (720p)
Super Dynamic / WDR / BLC		Enhanced SD	Enhanced SD	Super-D	Super-D
주야간 전환		Yes (ICR)	Yes (Electrical)	Yes (Electrical)	Yes (Electrical)
ABF (Auto Back Focus) / Focus Assist		ABF	ABF	—	—
최소 조도	Color	0.01 lx @F1.6	0.01 lx @F1.6	0.1 lx @F2.3	0.04 lx @F2.3
	Color (Sens up)	0.0007 lx (16x)	0.0007 lx (16x)	0.007 lx (16x)	0.003 lx (16x)
	B/W	0.005 lx @F1.6	0.008 lx @F1.6	0.08 lx @F2.3	0.05 lx @F2.3
	B/W (Sens up)	0.0002 lx (16x)	0.0005 lx (16x)	0.005 lx (16x)	0.002 lx (16x)
렌즈		f=2.8 to 10 mm, F1.6	f= 2.8 to 10 mm, F1.6	f=2.8 mm, F2.3	f= 2.8 mm, F2.3
회각	16 : 9	H: 28 to 99 deg. V: 16 to 54 deg.	H: 28 to 99 deg. V: 16 to 54 deg.	H: 108 deg. V: 60 deg.	H: 100 deg. V: 55 deg.
	4 : 3	H: 28 to 99 deg. V: 21 to 72 deg.	H: 28 to 99 deg. V: 21 to 72 deg.	H: 89 deg. V: 66 deg.	H: 100 deg. V: 73 deg.
포틸 각도	Pan	-180 to +180 deg.	-180 to +180 deg.	-20 to +20 deg.	-20 to +20 deg.
	Tilt	-85 to +85 deg.	-85 to +85 deg.	-20 to +90 deg.	-20 to +90 deg.
광학줌		3.6x	3.6x	—	—
디지털줌		4x	4x	4x	4x
VMD (Video Motion Detection)		Yes (4-area)	Yes (4-area)	Yes (4-area)	Yes (4-area)
i-VMD (Intelligent VMD) (widevision software)		Yes (Type2)	Yes (Type2)	Yes (Type2)	Yes (Type2)
WDR		Yes (8-area)	Yes (8-area)	Yes (8-area)	Yes (8-area)
최대 연결		14	14	14	14
오디오	In (Line)	Yes	—	—	—
	In (Built-in MIC)	—	—	Yes	Yes
	Out	Yes	—	—	—
	Codec	G.711 / G.726 / AAC	—	G.711 / G.726 / AAC (*3)	G.711 / G.726 / AAC (*3)
Audio Detection Alarm		Yes	—	—	
SD 메모리 카드	Slot	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)
	Password & Alter Detection	Yes	Yes	Yes	Yes
	Audio REC	Yes	—	Yes	Yes
외부 입출력		Yes (3) (*4)	Yes (3) (*5)	—	—
모니터 출력		Yes (mini jack)	Yes (mini jack)	—	—
피슨 (반달) 방지 기능		50J, IK10	50J, IK10	50J, IK10	50J, IK10
장전방수		IP66 / NEMA 4X	IP66 / NEMA 4X	IP66 / NEMA 4X	IP66 / NEMA 4X
작동 온도		-40 to +50 deg. (in operation)	-40 to +50 deg. (in operation)	-40 to +60 deg.	-40 to +60 deg.
전원		12 V DC / PoE	12 V DC / PoE	PoE	PoE
재습 방지		Yes	Yes	—	—
가이드 기능		Built-in heater	Built-in heater	EN50155-T3, EN50121, EN455-45, EN50406, ECE-R10(WV-SFV130M)	EN50155-T3, EN50121, EN455-45, EN50406, ECE-R10(WV-SFV110M)

(\*1) Single Full HD 모드 (실시 영상) (\*2) Super resolution \*3SE 시 (\*3) SD REC 2 \*4G (\*4) Alarm In (Day/Night In, Auto line adjustment), Alarm In2 (Alarm Out), Alarm In3 (Alarm Out) (x1 for each) (\*5) Alarm In (Auto line adjustment), Alarm In2 (Alarm Out), Alarm In3 (Alarm Out) (x1 for each)



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네트워크 카메라 비교표		Fixed Dome			
실내 / 실외		Indoor			
제품명		WV-SFR311A	WV-SFR310A	WV-SFM311L	WV-SFM311L
외관					
센서		1/3 CMOS	1/3 CMOS	1/3 CMOS	1/3 CMOS
코덱과 전송	Video Codec	H.264 / JPEG	H.264 / JPEG	H.264 / JPEG	H.264 / JPEG
	H.264 multi stream	4	4	4	4
	JPEG multi stream	5 (Variable)	5 (Variable)	5 (Variable)	5 (Variable)
	H.264 VBR / AVBR (Advanced VBR)	VBR / AVBR	VBR / AVBR	VBR (V1.52) / AVBR	VBR (V1.52) / AVBR
	Smart coding	Yes	Yes	Yes	Yes
최대 해상도	16:9	1920 x 1080 (*1) / 1280 x 720	1920 x 1080 (*1) / 1280 x 720	1920 x 1080	1280 x 720
	4:3	1280 x 960	1280 x 960	2048 x 1536 (*2)	1280 x 960
최대 FPS ※ 최대 해상도	H.264	60fps (720p)	60fps (720p)	60fps (1080p)	60fps (720p)
	JPEG	30fps (1.3 MP)	30fps (1.3 MP)	30fps (3 MP) (*2)	30fps (1.3 MP)
Super Dynamic / WDR / BLC		Enhanced SD	Enhanced SD	Enhanced SD	Enhanced SD
주야간 전환		Yes (ICR)	Yes (Electrical)	Yes (ICR)	Yes (ICR)
ABF (Auto Back Focus) / Focus Assist		ABF	ABF	ABF	ABF
최소 조도	Color	0.01 lx @F1.6	0.01 lx @F1.6	0.04 lx @F1.3	0.01 lx @F1.3
	Color (Sens up)	0.0007 lx (16x)	0.0007 lx (16x)	0.003 lx (16x)	0.0007 lx (16x)
	B/W	0.003 lx @F1.6	0.003 lx @F1.6	0.0 lx @F1.3 (w/IR)	0.0 lx @F1.3 (w/IR)
	B/W (Sens up)	0.0002 lx (16x)	—	—	—
렌즈		f=2.8 to 10 mm, F1.6	f=2.8 to 10 mm, F1.6	f=2.8 to 10 mm, F1.3 Motorized	f=2.8 to 10 mm, F1.3 Motorized
회각	16:9	H: 28 to 99 deg. V: 16 to 54 deg.	H: 28 to 99 deg. V: 16 to 54 deg.	H: 29.3 to 104.1 deg. V: 14.9 to 52.3 deg.	H: 26.6 to 95.1 deg. V: 14.9 to 52.3 deg.
	4:3	H: 28 to 99 deg. V: 21 to 72 deg.	H: 28 to 99 deg. V: 21 to 72 deg.	H: 24.0 to 85.5 deg. V: 18.0 to 63.3 deg.	H: 26.7 to 95.1 deg. V: 20.0 to 70.2 deg.
조절 각도	Pan	+120 to -240 deg.	+120 to -240 deg.	-180 to +180 deg.	-180 to +180 deg.
	Tilt	-85 to +85 deg.	-85 to +85 deg.	0 to +85 deg.	0 to +85 deg.
광학줌		3.6x	3.6x	3.6x	3.6x
디지털줌		4x	4x	4x	4x
VMD (Video Motion Detection)		Yes (4-area)	Yes (4-area)	Yes (4-area)	Yes (4-area)
i-VMD (Intelligent VMD) (w/extension software)		Yes (Type2)	Yes (Type2)	Yes (Type2)	Yes (Type2)
VMS		Yes (8-area)	Yes (8-area)	Yes (8-area)	Yes (8-area)
최대 연결		14	14	14	14
오디오	In (Line)	Yes	—	Yes	Yes
	In (Built-in MIC)	—	—	—	—
	Out	Yes	—	Yes	Yes
	Codec	G.711 / G.726 / AAC	—	G.711 / G.726 / AAC	G.711 / G.726 / AAC
Audio Detection Alarm		Yes	Yes	Yes	Yes
SD 메모리 카드	Slot	Yes (SDXC)	Yes (SDXC)	Yes (SDXC x 2)	Yes (SDXC x 2)
	Password & Alter Detection	Yes	Yes	Yes (V1.52)	Yes (V1.52)
	Audio REC	Yes	—	Yes	Yes
외부 입출력		Yes (3) (*3)	Yes (3) (*4)	Yes (3) (*5)	Yes (3) (*5)
모니터 출력		Yes (mini jack)	Yes (mini jack)	Yes (mini jack)	Yes (mini jack)
파손 (한일) 방지 기능		20J, IK10	20J, IK10	—	—
장전방수		—	—	—	—
작동 온도		-10 to +50 deg.	-10 to +50 deg.	-10 to +50 deg.	-10 to +50 deg.
전원		12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE
제품 길이		—	—	—	—
기타 기능		—	—	Smart-Def, Built-in IR LED	Smart-Def, Built-in IR LED

(\*1) Single Full HD 2MP 시 (2x1 2MP) (\*2) Super resolution 9MP 시 (\*3) Alarm In (Day/Night In, Auto line adjustment), Alarm In 2 (Alarm Out), Alarm In 3 (Aux Out) (pt for each)  
 (\*4) Alarm In (Auto line adjustment), Alarm In 2 (Alarm Out), Alarm In 3 (Aux Out) (pt for each) (\*5) Alarm In (Day/Night In, Alarm In 2/Alarm Out, Alarm In 3/Aux Out) (pt for each) (\*6) Alarm In, Alarm In 2 (Alarm Out), Alarm In 3 (Aux Out) (pt for each)

네트워크 카메라 비교표		Fixed Dome			
실내 / 실외		Indoor			
제품명		WV-SFM31	WV-SFM311L	WV-SFM311A	WV-SFM310A
외관					
센서		1/3 CMOS	1/3 CMOS	1/3 CMOS	1/3 CMOS
코덱과 전송	Video Codec	H.264 / JPEG	H.264 / JPEG	H.264 / JPEG	H.264 / JPEG
	H.264 multi stream	4	4	4	4
	JPEG multi stream	5 (Variable)	5 (Variable)	5 (Variable)	5 (Variable)
	H.264 VBR / AVBR (Advanced VBR)	VBR / AVBR	VBR / AVBR	VBR / AVBR	VBR / AVBR
	Smart coding	Yes	Yes	Yes	Yes
최대 해상도	16:9	1920 x 1080	1280 x 720	1920 x 1080 (*2) / 1280 x 720	1920 x 1080 (*2) / 1280 x 720
	4:3	2048 x 1536 (*1)	1280 x 960	1280 x 960	1280 x 960
최대 FPS ※ 최대 해상도	H.264	60fps (1080p)	60fps (720p)	60fps (720p)	60fps (720p)
	JPEG	30fps (3 MP) (*1)	30fps (1.3 MP)	30fps (1.3 MP)	30fps (1.3 MP)
Super Dynamic / WDR / BLC		Enhanced SD	Enhanced SD	Enhanced SD	Enhanced SD
주야간 전환		Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (Electrical)
ABF (Auto Back Focus) / Focus Assist		ABF	ABF	ABF	ABF
최소 조도	Color	0.07 lx @F1.6	0.01 lx @F1.6	0.01 lx @F1.6	0.01 lx @F1.6
	Color (Sens up)	0.005 lx (16x)	0.0007 lx (16x)	0.0007 lx (16x)	0.0007 lx (16x)
	B/W	0.01 lx @F1.6	0.0 lx @F1.5 (w/IR)	0.003 lx @F1.5	0.003 lx @F1.5
	B/W (Sens up)	0.0007 lx (16x)	—	0.0002 lx (16x)	0.0005 lx (16x)
렌즈		f=2.8 to 9.5 mm, F1.6	f=2.8 to 10 mm, F1.6	f=2.8 to 10 mm, F1.6	f=2.8 to 10 mm, F1.6
회각	16:9	H: 32 to 110 deg. V: 15.7 to 60 deg.	H: 27.9 to 100.5 deg. V: 16 to 54 deg.	H: 28 to 100 deg. V: 16 to 54 deg.	H: 28 to 100 deg. V: 16 to 54 deg.
	4:3	H: 27 to 91 deg. V: 20 to 66 deg.	H: 27.9 to 100.0 deg. V: 21.0 to 73.9 deg.	H: 28 to 100 deg. V: 21 to 73 deg.	H: 28 to 100 deg. V: 21 to 73 deg.
조절 각도	Pan	+120(right) to -240(left) deg.	-180 to +180 deg.	+120 to -240 deg.	+120 to -240 deg.
	Tilt	-85 to +85 deg.	0 to +85 deg.	-85 to +85 deg.	-85 to +85 deg.
광학줌		3.6x	3.6x	3.6x	3.6x
디지털줌		4x	4x	4x	4x
VMD (Video Motion Detection)		Yes (4-area)	Yes (4-area)	Yes (4-area)	Yes (4-area)
i-VMD (Intelligent VMD) (w/extension software)		Yes (Type2)	Yes (Type2)	Yes (Type2)	Yes (Type2)
VMS		Yes (8-area)	Yes (8-area)	Yes (8-area)	Yes (8-area)
최대 연결		14	14	14	14
오디오	In (Line)	Yes	Yes	Yes	—
	In (Built-in MIC)	—	—	—	Yes
	Out	Yes	Yes	Yes	—
	Codec	G.711 / G.726 / AAC	G.711 / G.726 / AAC	G.711 / G.726 / AAC	G.711 / G.726 / AAC
Audio Detection Alarm		Yes	Yes	Yes	Yes
SD 메모리 카드	Slot	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)	Yes (SDXC)
	Password & Alter Detection	Yes	Yes	Yes	Yes
	Audio REC	Yes	Yes	Yes	Yes
외부 입출력		Yes (3) (*3)	Yes (3) (*5)	Yes (3) (*4)	Yes (3) (*5)
모니터 출력		Yes (mini jack)	Yes (mini jack)	Yes (mini jack)	Yes (mini jack)
파손 (한일) 방지 기능		—	—	—	—
장전방수		—	—	—	—
작동 온도		-10 to +50 deg.	-10 to +50 deg.	-10 to +50 deg.	-10 to +50 deg.
전원		12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE
제품 길이		—	—	—	—
기타 기능		—	Built-in IR LED	—	—

(\*1) Super resolution 9MP 시 (\*2) Single Full HD 2MP 시 (2x1 2MP) (\*3) Alarm In (Day/Night In, Auto line adjustment), Alarm In 2 (Alarm Out), Alarm In 3 (Aux Out) (pt for each)  
 (\*4) Alarm In (Auto line adjustment), Alarm In 2 (Alarm Out), Alarm In 3 (Aux Out) (pt for each) (\*5) Alarm In (Day/Night In, Alarm In 2/Alarm Out, Alarm In 3/Aux Out) (pt for each)