



HD Analog WDR Miniature

4 in 1 STARVIS Mini Square Camera

MS435WF Series

**HD-TVI/HD-CVI/AHD/CVBS 4-in-1
WDR Mini Square Camera with Board Lens**

- 35 x 35mm Super Mini Size
- 2MP Sony STARVIS CMOS Sensor
- True WDR
- TVI/AHD/CVI/CVBS Selectable by Optional OSD (Pre-program up on request)
- 3MP Mega Lens (Lens options are available)
- Ultra Low Light Color Camera
- Color : 0.05Lux, B/W : 0.008Lux
- Sens-up : Color 0.005Lux, B/W : 0.0005Lux
- Defog, 3D DNR
- UTC Function
- DC12V

Order Information

MS435WF245	2.45mm
MS435WF3	2.8mm
MS435WF4	3.6mm
MS435WF6	6mm
MS435WF8	8mm
MS435WF12	12mm

*We can customize with other lens options up on request



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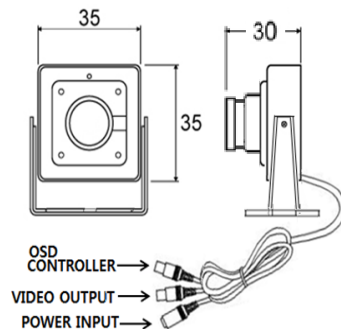
Optional OSD Operation



*Pre-program up on request

Push the Joystick to RIGHT for 5sec : AHD
Push the Joystick to LEFT for 5sec : CVBS
Push the Joystick to UP for 5sec : CVI
Push the Joystick to DOWN for 5sec : TVI

General Feature Diagram (mm)



Technical Specification

Specification		NTSC / PAL
Image Device		1/2.8 inch 2 MP Sony STARVIS CMOS
Total Pixels / Active Pixels		1945(H) x 1109(V) / 1937(H) x 1097(V)
Scanning System		Progressive
Resolution		TVI, CVI, AHD: 1080P / CVBS:(1280H)_1000TVL
S/N Ratio		More than 52dB (AGC Off)
Video Output		HD-TVI/HD-CVI/AHD/CVBS Selectable Output Signal by Optional OSD Key
Optional OSD Control		LEFT: CVBS / RIGHT: AHD / DOWN: HD-TVI / UP: HD-CVI (Holding 5sec each Direction)
Minimum Illumination (F1.2, 30IRE)		COLOR: 0.05Lux / BW: 0.008Lux COLOR SENS-UP: 0.005Lux / BW SENS-UP: 0.0005Lux
OSD Functions	White Balance	ATW / AWC-SET / INDOOR / OUTDOOR / MANUAL / AWB
	Exposure	MANUAL
	Shutter Speed	AUTO/FLK, 1/30(25) - 1/50,000 sec
	Sens-up	AUTO(x6) / x2, x4, x6, x8, x10, x15, x20, x25, x30
	Backlight Compensation	OFF / WDR / BLC / HSBLC
	Privacy Masking	4 Zone
	Day & Night	AUTO / COLOR / BW / EXT
	Motion Detection	OFF / ON
	Defog	OFF / ON
	3DNR	OFF / LOW / MIDDLE / HIGH
	Digital Effect	OFF / MIRROR / V-FLIP / ROTATE & FREEZE
	Sharpness	Adjustable
	Image Enhancement	WDR
	Language	ENG/CHN1/CHN2/GER/FRA/ITA/SPA/POL/RUS/POR/NED/TUR
Power Input / Consumption		DC 12V (±30%), 100mA / 1.2W
Operation / Storage Temp.		14°F ~ 122°F / -4°F ~ 140°F (-10°C ~ 50°C / -20°C ~ 60°C)
Dimension(mm)		35 x 35 (mm)
Cable		Standard 500mm BNC/DC Jack



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