

TECNOVIDEO

CCTV SYSTEMS AND ACCESSORIES

SAF168D SERIES

STAINLESS STEEL FIXED DUAL CAMERA STATION

SAFE AREA

AISI316L STAINLESS STEEL CONSTRUCTION
FOR USE IN HIGHLY CORROSIVE ENVIRONMENTS
EASY INSTALLATION AND MAINTENANCE
INTEGRATED WIPER VERSION AVAILABLE
WEATHERPROOF STANDARD IP66/IP67
ETHERNET CONNECTION 10/100BASE-T RJ-45
DAY/NIGHT AND IR THERMAL CAMERAS DUAL VISION
ONVIF PROFILE S PROTOCOL COMPLIANT



168WW-DUAL CAMERA STATION WITH SUNSHIELD, HEATER AND WIPER

TECHNICAL SPECIFICATIONS

GENERAL & MECHANICAL

Dimensions	See drawings next page
Operating Temperature	-20° +60°C (-4° +140° F)
Construction	AISI316L Stainless Steel
Finish	Electro-polished
Mounting	See drawings next page
Cable entries	4 M20x1.5 nickel plated brass cable glands (included) Standard cable diameter 5-10mm
Weight	Unit: 15kg/Package: 17kg (SAF168SDTV1) Unit: 16kg/Package: 18kg (SAF168WDTV1)

ELECTRICAL

Thermostatically controlled heater
T[°C] ON = 12 ± 4°C, T[°C] OFF = 20 ± 3°C

Available supply voltages	24V~, 24VDC, 230V~ (+/-10%)
Max power consumption	34W

VIDEO/CAMERA (DAY/NIGHT)

Sensor	1/2.7-inch CMOS, 2.03MP
Compression	H.264 (MP); M-JPEG
Streaming	Multiple configurable streams in H.264 and M-JPEG, configurable frame rate and bandwidth; ROI
Resolution	Full HD (up to 1920x1080 @30fps)
Sensitivity	Colour: 0.22lx (0.022fc); Mono: 0.05lx (0.005fc) 3200K, reflectivity 89%, F1.2, 30IRE
Dynamic range	76dB Wide Dynamic Range (92dB with IAE)
Lens	Varifocal SR 3MP lens; 1/2" sensor; 3.8-13mm; F1.4-F8
Video functions	white balance; AES; backlight compensation; contrast enhancement; intelligent dynamic noise reduction; intelligent defog; privacy masking (4 independent areas, fully programmable); video motion analysis; image mirror/flip; watermarking/stamping

VIDEO/CAMERA (THERMAL)

System type	Uncooled LWIR Thermal Imager, VOx Microbolometer
Pixel size	17 µm
Spectral band	7.5-13.5 µm
FOV° (h x v)	9.3°x7.1°
iFOV (mrad)	0.486
Min focus distance	60cm
Performance	<50mk @F1.0
Compression	H.264; MPEG-4; M-JPEG
Streaming	Multiple streaming (up to 10 profiles)
Resolution	336x256 @7.5/8.3Hz
Lens	35mm; F1.2
Image control	Invert, revert, continuous digital zoom, dynamic zoom & pan, 2x & 4x digital zoom, polarity, false colour or monochrome, AGC, digital detail enhancement (DDE), image optimization (BPR, NUC & AGC'd video), settable splash screens

NETWORK

Ethernet Connectivity Protocols	10/100 Base-T RJ45 ONVIF Profile S IPv4, IPv6, TCP/IP, UDP/IP, RTP, RTSP, NTP, HTTP, HTTPS, SSL, DHCP, FTP, SMTP, ICMP, IGMP, SNMP (V1, MIBII), ARP, DNS, DDNS
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CERTIFICATIONS

Ingress Protection (EN 60529)	IP66/IP67
EMC	EN 61000-6-3:2007; EN 50130-4:1995 + A1:1998 + A2:2003
LVD	EN 60950-1:2006 + A11:2009
RoHS	2011/65/EU
WEEE	2012/19/EU

MODELS

SAF168SDTV1/24	Camera station + sunshield + heater. Supply voltage: 24 VAC
SAF168SDTV1/230	Camera station + sunshield + heater. 230 V~
SAF168WDTV1/24	Camera station + sunshield + heater + wiper. 24 V~
SAF168WDTV1/24D	Camera station + sunshield + heater + wiper. 24 VDC
SAF168WDTV1/230	Camera station + sunshield + heater + wiper. 230 V~

Usable front window diameter for thermal imaging camera: 30 mm. Germanium, AR/DLC coating.
Usable front window diameter for day/night cameras: 73 mm. Vandal resistant glass.

MOUNTING ACCESSORIES

SSBK168	Wall mounting bracket with swivel joint for 168 Series
SSPM168	Pole mount adapter for SSBK168

ACCESSORIES AND SPARE PARTS

RX2410	Telemetry controller for fixed wash/wiper housings
WB168D	Wiper blade (complete assembly)
WBK168D	Wiper blade (only spare part: rubber blade and support)
MK168	Maintenance kit with O-Ring seals, screws seals, screws, cable glands (2), desiccant bags

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DIMENSIONS

