# MoviSight

## MS-72553DT-F Dual-spectral Network Bullet Camera



#### **Key Features**

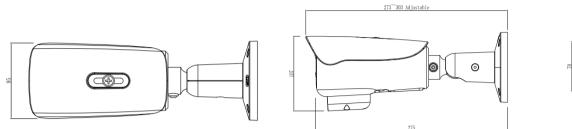
- Uncooled VOx Micro bolometer with 256×192 resolution
- Thermal: 7 mm fixed lens, Visible: 8 mm fixed lens
- Sensitivity < 50mK
- Support temperature monitoring and exception alarm
- Support 3 temperature measurement rule types (Spot, Line, Area)
- Support humanoid, vehicle and fire point detection
- Intelligent analysis: Perimeter, Single virtual fence, Double virtual fence, Multi loiter, Converse, Personnel count, Enter area, Leave area
- Image processing technology: DVE, 3D DNR, WDR
- IR distance up to 55m
- Support sound-light alarm

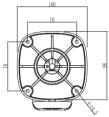
## Specification

Thermal Camera		
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays	
Resolution	256×192, Image can be scaled up to 704×576	
Pixel Size	12um	
Spectral Range	8~14um	
Thermal Sensitivity (NETD)	< 50mK	
Image Setting	Brightness/Sharpness/Contrast/Mirror/FFC/3D DNR	
Color Palettes	17 (White-hot/Black-hot/Rainbow/Ironbow etc.)	
Lens Type	Fixed, F1.0	
Focus Control	Free focus	
Focal Length	7 mm	
Angle of View	H: 24°, V: 18°	
F No.	F1.0	
Detection Distance for Humans (1.8×0.5m)	291m	
Detection Distance for Vehicles (4×1.5m)	894m	
Recognition Distance for Human (1.8×0.5m)	73m	
Recognition Distance for Vehicle (4×1.5m)	224m	
Fire Detection Distance for Object (0.1×0.1m)	29m	
Fire Detection Distance for Object (1×1m)	292m	
Visible Camera		
Image Sensor	1/2.7" CMOS	
Effective Resolution	2880(H)×1620(V)	
Shutter Speed	1/5 ~ 1/20,000s	
Wide Dynamic Range	True WDR 120dB	
Min. Illumination	Color: 0.001Lux @(F1.2, AGC ON) B/W: 0.003Lux @(F1.2, AGC ON)	
S/N Ratio	More than 55dB	
Focal Length	8mm	
Angle of View	H: 40°, V: 20°	
Illuminator		
IR Distance	Up to 55m	
White Light	Strobe light	
Video and Audio		
Frame Rate	Main Stream: Visible: 2880×1620/2560×1440/2304×1296/1920 ×1080/1280×720 @25/30fps Thermal: D1 (704×576) @25/30fps Sub Stream: Visible: D1/VGA/640×360/CIF/QVGA @25/30fps Thermal: CIF/256×192 @25/30fps	
Bit Rate Control	CBR/VBR	
Bit Rate	Main Stream: Visible: 100Kbps~12Mbps, Thermal: 100Kbps~6Mbps Sub Stream: Visible: 10Kbps~6Mbps, Thermal: 10Kbps~1.5Mbps	
Region of Interest	Off / On (8 Zone, Rectangle)	
Mirror	Support	

Privacy MaskingOff / On (5 Area, Rectangle)DVE Image EnhanceSupportAudio Compression6.711: 8kbps, RAW_PCM: 16kbpsSmart FunctionTemperature measurement, human detection and vehicle detection. Smoke and Flame detection, fire nahlysisMarca IntelligentPerimeter, Single virtual fence, Double virtual fence, point detection, Smoke and Flame detection, fire analysisSound-light AnalysisSupport virtual fence, Double virtual fence, point detection, Smoken and Flame detection of sepile/whicles), Personnet coult,Sound-light AlarmSupport white light flashing and horn warning 1 temperature enays. Personnet count,Reasurement3 temperature measurement rule types, 20 rules in total, 1 full screen, 19 others (points, areas, line) epile/whicles), Personnet count,Accuracy±2°/ ±2%Response Time5 30msTemperature AlarmOVer temperature alarm, Temperature difference atarAccuracy1PW/IPV6, HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPDCE, SMTP, 802.1xInteroperabilityONVIFMax User Access10 UsersMethor Interface12 flight, Chimese, Polish, Italian, Portuguese, Spanish. Russian, French, Zach, HungarianAudio Interface12 hiput, 1ch outputAudio Interface12 hiput, 2ch outputAudio InterfaceSupportAutor Unit InspeakerSupportSupport, pu    256GBSupportAutor Unit Inspeaker90% RHCorrent Unit-010°C (40°F ~140°F)Prover ConsumptionAutorMax 12WOver Liput ~100°C (40°F ~140°F)	Motion Detection	Support	
DVE Image EnhanceSupportAudio CompressionG.711: 8kbps, RAW_PCM: 16kbpsSmart FunctionTemperature measurement, human detection and vehicle detection, Smoke and Flame detection, fire nantysisMart FunctionTemperature measurement, human detection and vehicle detection, Smoke and Flame detection, fire nantysisIntelligent AnalysisPerimeter, Single virtual fence, Double virtual fence, point detectionSound-light AlarmSupport white light flashing and horn warningTemperature AlarmStemperature measurement rule types, 20 rules in detail, 1 full screen, 19 others (points, areas, link)Accuracy±2°C / ±2%Response Time30msTemperature Measurement Range-0°C r 150°C (4°F ~ 302°F)NetworkPM/IPv6 HTTP,RTSP/RTP/RTCP, TCP/UDP, PHCP, DNS, PPPOE, SMTP 802.1xInteroperabilityONVIFMax User Access10 UsersNetworkEnglish, Chinese, Polish, Italian, Portuguese, Spanish, Russian, Frentox, Kaccesh, HuangarianAudio Interface1 Chrinput, 1ch outputNational EnderSupportAudio InterfaceSupportAudio InterfaceSupportSupportSupportRestabutionSupportAudio InterfaceSupportPower SupplyO12V/DC24V/POE (IEEE 802.3af)Power ConsumptionMax 12WPower ConsumptionMax 12WAudio Interface0-90% RHCarcia Conditions0-90% RHCarcia Conditions0-90% RHCarcia Conditions1666Casing	Privacy Masking	Off / On (5 Area, Rectangle)	
Audio Compression G.711: 8kbps, RAW_PCM: 16kbps   Smart Function Temperature measurement, human detection and vehicle detection. Smoke and Flame detection, fire point detection. Smoke and Flame detection of peoplevehicles), personnel count,   Avanced Intelligence Smoker detection, Smoke and Flame detection of peoplevehicles), personnel count,   Sound-light Alarm Support white light flashing and horn warning   Temperature 3 temperature measurement rule types, 20 rules in total, 1 full screen, 19 others (points, areas, line).   Temperature Alarm 3 temperature alarm, Temperature difference alarm.   Accuracy ±2°C / ±2%   Response Time ≤ 30ms   Temperature Measurement Range -20°C < 150°C (.4°F < 302°F)		Support	
Smart FunctionTemperature measurement, human detection and vehicle detection, Smoke and Flame detection, fire point detection, Smoke and Flame detection, fire point detection, Smoke and Flame detection of peolet vehicles), Personnel count,Intelligent AnalysisSupport white light flashing and horn warningSound-light AlarmSupport white light flashing and horn warningTemperature Mutil ioiter, Converse, Enter area, Leave area (these f function support accurate detection of peolet vehicles), Personnel count,Sound-light AlarmSupport white light flashing and horn warningTemperature Alarm3 temperature measurement rule types, 20 rules in total, 1 full screen, 19 others (poins, areas, line).Temperature Alarm3 temperature alarm, Temperature difference alarmAccuracy $\pm 2^{cr}/\pm 2^{ch}$ Response Time $> 2^{or} C - 150^{cr} (4^{a} F ~ 302^{a} F)$ Temperature Measurement Range $2^{or} C - 150^{cr} (4^{a} F ~ 302^{a} F)$ ProtocolsIPv4/IPv6, NTP, PTSP/RTP/RTCP, TCP/UDP, DDF/D, DNS, PPPOE, SMTP, 802.1xNature Access10 UsersVeb Viewer <e11, chrome,="" edge<="" firefox,="" microsoft="" td="">Web LanguageEnglish, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, HungarianInterface1 Ethernet (10/100 Base-T) RJ-45 ConnectorAudio Interface1 SupportAlarm InterfaceSupportSupportSupportAlarm InterfaceSupport, up to 256GBSupportSurace ConditionSurace ConditionMax 12WWorking Temperature40^{cr} C 60^{cr} (40^{cr} F - 140^{cr})<td>Audio Compression</td><td>G.711: 8kbps, RAW PCM: 16kbps</td></e11,>	Audio Compression	G.711: 8kbps, RAW PCM: 16kbps	
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Temperature Measurement3 temperature measurement rule types, 20 rules in total, 1 full screen, 19 others (points, areas, line).Temperature AlarmOver temperature alarm, Temperature difference alarmAccuracy $\pm 2°C / \pm 2\%$ Response Time $\leq 30ms$ Temperature Measurement Range $-20°C \sim 150°C (-4°F ~ 302°F)$ NetworkIPv4/IPv6, HTTP, RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1xInteroperabilityONVIFMax. User Access10 UsersWeb Viewer <iei1, chrome,="" edge<="" firefox,="" microsoft="" td="">Web Viewer<iei1, chrome,="" edge<="" firefox,="" microsoft="" td="">Web ViewerI Ethernet (10/100 Base-T) RJ-45 ConnectorAudio Interface1 Ethernet (10/100 Base-T) RJ-45 ConnectorAudio Interface1 Ethernet (10/100 Base-T) RJ-45 ConnectorAudio Interface1 SupportAlarm InterfaceSupportSysparitSusportReset ButtonSupportSupportSupportPower ConsumptionMax 12WWorking Temperature 40°C ~ 60°C (-40°F ~ 140°F)Storage Conditions0 – 90% RHCertificationsCE /FCCIngress ProtectionIP66CasingMetalDimensions303 &gt; 95×107 mm (11.93 × 3.74 × 4.21 inch)</iei1,></iei1,>		Perimeter, Single virtual fence, Double virtual fence, Multi loiter, Converse, Enter area, Leave area (these 7 function support accurate detection of	
Measurement     total, 1 full screen, 19 others (points, areas, line).       Temperature Alarm     Over temperature alarm, Temperature difference alarm       Accuracy     ±2°C / ±2%       Response Time     ≤ 30ms       Temperature Measurement Range     -20°C ~ 150°C (-4°F ~ 302°F)       Network     -20°C ~ 150°C (-4°F ~ 302°F)       Network     -20°C ~ 150°C (-4°F ~ 302°F)       Protocols     IP-44/IPv6, HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x       Interoperability     ONVIF       Max User Access     10 Users       Web Viewer <ie11, chrome,="" edge<="" firefox,="" microsoft="" td="">       Web Language     English, Chinese, Polish, Italian, Portuguese, Spanish. Russian, French, Czech, Hungarian       Interface     1 Ethernet (10/100 Base-T) RJ-45 Connector       Audio Interface     1 Chinput, 1ch output       Built-in Speaker     Support       Support     Support       Reset Button     Support, up to 256GB       General     -40°C ~ 60°C (-40°F ~ 140°F)       Power Supply     DC12V/DC24V/POE (IEEE 802.3af)       Power Consumption     Max 12W       Vorking Temperature     -40°C ~ 60°C (-40°F ~ 140°F)</ie11,>	Sound-light Alarm	Support white light flashing and horn warning	
Itemperature Alarm     alarm       Accuracy     ±2° / ±2%       Response Time     ≤ 30ms       Temperature Measurement Range     -20° C ~ 150° C (-4° F ~ 302° F)       Natwork        Protocols     IP-4/IPv6, HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP,802.1x       Interoperability     ONVIF       Max. User Access     10 Users       Web Viewer <ie11, chrome,="" edge<="" firefox,="" microsoft="" td="">       Web Language     English, Chinese, Polish, Italian, Portuguese, Sanish. Russian, French, Czech, Hungarian       Network Interface     1 Ethernet (10/100 Base-T) RJ-45 Connector       Audio Interface     Support       Alarm Interface     Support       RS485     Support       SD Card Stot     Support       Sourge Consumption     Max 12W       Power Consumption     Max 12W       Working Temperature     40° C ~ 60° C (-40° F ~ 140° F)       Storage Conditions     0 ~ 90% RH       Certifications     CE /FCC       Ingress Protection     IP66       Casing     Matal</ie11,>			
Response Time< 30msTemperature Measurement Range-20°C ~ 150°C (-4°F ~ 302°F)NetworkProtocolsIPv4/IPv6, HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1xInteroperabilityONVIFMax. User Access10 UsersWeb Viewer <ie11, chrome,="" edge<="" firefox,="" microsoft="" td="">Web LanguageEnglish, Chinese, Polish, Italian, Portuguese, Spanish. Russian, French, Czech, HungarianInterface1 Ethernet (10/100 Base-T) RJ-45 ConnectorAudio Interface1 Ethernet (10/100 Base-T) RJ-45 ConnectorAudio Interface1 Cch input, 1ch outputBuilt-in SpeakerSupportAlarm InterfaceSupportSD Card SlotSupport, up to 256GBPower SupplyDC12V/DC24V/POE (IEEE 802.3af)Power ConsumptionMax 12WWorking Temperature-40°C ~ 60°C (-40°F ~ 140°F)Storage Conditions0 ~ 90% RHCertificationsCE /FCCIngress ProtectionIP66CasingMetalDimensions303×95×107 mm (11.93 × 3.74 × 4.21 inch)</ie11,>	Temperature Alarm		
Temperature Measurement Range-20°C - 150°C (-4°F ~ 302°F)NetworkProtocolsIPv4/IPv6, HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1xInteroperabilityONVIFMax. User Access10 UsersWeb Viewer <ie11, chrome,="" edge<="" firefox,="" microsoft="" td="">Web LanguageEnglish, Chinese, Polish, Italian, Portuguese, Spanish. Russian, French, Czech, HungarianInterface1 Ethernet (10/100 Base-T) RJ-45 ConnectorAudio Interface1 Ethernet (10/100 Base-T) RJ-45 ConnectorAudio Interface1 SupportAudio InterfaceSupportReset ButtonSupportSD Card SlotSupport, up to 256GBPower ConsumptionMax 12WPower ConsumptionMax 12WWorking Temperature-40°C ~ 60°C (-40°F ~ 140°F)Storage Conditions0 ~ 90% RHCertificationsCE /FCCIngress ProtectionIP66CasingMetalDimensions303×95×107 mm (11.93 × 3.74× 4.21 inch)</ie11,>	Accuracy	±2°C/±2%	
Measurement Range   -20 C 2 150 C (4 F 2 302 F)     Network     Protocols   IPv4/IPv6, HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x     Interoperability   ONVIF     Max. User Access   10 Users     Web Viewer <ie11, chrome,="" edge<="" firefox,="" microsoft="" td="">     Web Language   English, Chinese, Polish, Italian, Portuguese, Spanish. Russian, French, Czech, Hungarian     Interface   1 Ethernet (10/100 Base-T) RJ-45 Connector     Audio Interface   1 Ethernet (10/100 Base-T) RJ-45 Connector     Audio Interface   1 Chinput, 1ch output     Built-in Speaker   Support     Rs485   Support     Rset Button   Support, up to 256GB     General   -40°C ~ 60°C (-40°F ~ 140°F)     Power Consumption   Max 12W     Working Temperature   -40°C ~ 60°C (-40°F ~ 140°F)     Storage Conditions   0 ~ 90% RH     Certifications   CE /FCC     Ingress Protection   IP66     Casing   Metal     Dimensions   303×95×107 mm (11.93 × 3.74× 4.21 inch)</ie11,>	Response Time	≤ 30ms	
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Reset Button Support   SD Card Slot Support, up to 256GB   General DC12V/DC24V/POE (IEEE 802.3af)   Power Supply DC12V/DC24V/POE (IEEE 802.3af)   Power Consumption Max 12W   Working Temperature 40°C ~ 60°C (-40°F ~ 140°F)   Storage Conditions 0~ 90% RH   Certifications CE /FCC   Ingress Protection IP66   Casing Metal   Dimensions 303×95×107 mm (11.93 × 3.74 × 4.21 inch)	Alarm Interface	2ch input, 2ch output	
SD Card Slot Support, up to 256GB   General DC12V/DC24V/POE (IEEE 802.3af)   Power Supply DC12V/DC24V/POE (IEEE 802.3af)   Power Consumption Max 12W   Working Temperature -40°C ~ 60°C (-40°F ~ 140°F)   Storage Conditions 0 ~ 90% RH   Certifications CE /FCC   Ingress Protection IP66   Casing Metal   Dimensions 303×95×107 mm (11.93 × 3.74× 4.21 inch)	RS485	Support	
General   Power Supply DC12V/DC24V/POE (IEEE 802.3af)   Power Consumption Max 12W   Working Temperature -40°C ~ 60°C (-40°F ~ 140°F)   Storage Conditions 0 ~ 90% RH   Certifications CE /FCC   Ingress Protection IP66   Casing Metal   Dimensions 303×95×107 mm (11.93 × 3.74× 4.21 inch)	Reset Button	Support	
Power Supply   DC12V/DC24V/POE (IEEE 802.3af)     Power Consumption   Max 12W     Working Temperature   -40°C ~ 60°C (-40°F ~ 140°F)     Storage Conditions   0 ~ 90% RH     Certifications   CE /FCC     Ingress Protection   IP66     Casing   Metal     Dimensions   303×95×107 mm (11.93 × 3.74× 4.21 inch)	SD Card Slot	Support, up to 256GB	
Power ConsumptionMax 12WWorking Temperature-40°C ~ 60°C (-40°F ~ 140°F)Storage Conditions0 ~ 90% RHCertificationsCE /FCCIngress ProtectionIP66CasingMetalDimensions303×95×107 mm (11.93 × 3.74× 4.21 inch)	General		
Working Temperature -40°C ~ 60°C (-40°F ~ 140°F)   Storage Conditions 0~ 90% RH   Certifications CE /FCC   Ingress Protection IP66   Casing Metal   Dimensions 303×95×107 mm (11.93 × 3.74× 4.21 inch)	Power Supply	DC12V/DC24V/POE (IEEE 802.3af)	
Storage Conditions 0~90% RH   Certifications CE /FCC   Ingress Protection IP66   Casing Metal   Dimensions 303×95×107 mm (11.93 × 3.74× 4.21 inch)	Power Consumption	Max 12W	
Certifications CE /FCC   Ingress Protection IP66   Casing Metal   Dimensions 303×95×107 mm (11.93 × 3.74× 4.21 inch)	Working Temperature	-40°C ~ 60°C (-40°F ~ 140°F)	
Ingress Protection IP66   Casing Metal   Dimensions 303×95×107 mm (11.93 × 3.74× 4.21 inch)	Storage Conditions	0~90% RH	
Casing Metal   Dimensions 303×95×107 mm (11.93 × 3.74× 4.21 inch)	Certifications	CE /FCC	
Dimensions     303×95×107 mm (11.93 × 3.74× 4.21 inch)	Ingress Protection	IP66	
	Casing	Metal	
Net Weight 1.35 Kg (2.98 lb)	Dimensions	303 $\times$ 95 $\times$ 107 mm (11.93 $\times$ 3.74 $\times$ 4.21 inch)	
	Net Weight	1.35 Kg (2.98 lb)	

### **Dimensions (mm)**





#### Accessories

**Optional:** 



MS-7CBK649B Junction Box



MS-7CBK627 D Pole Mount