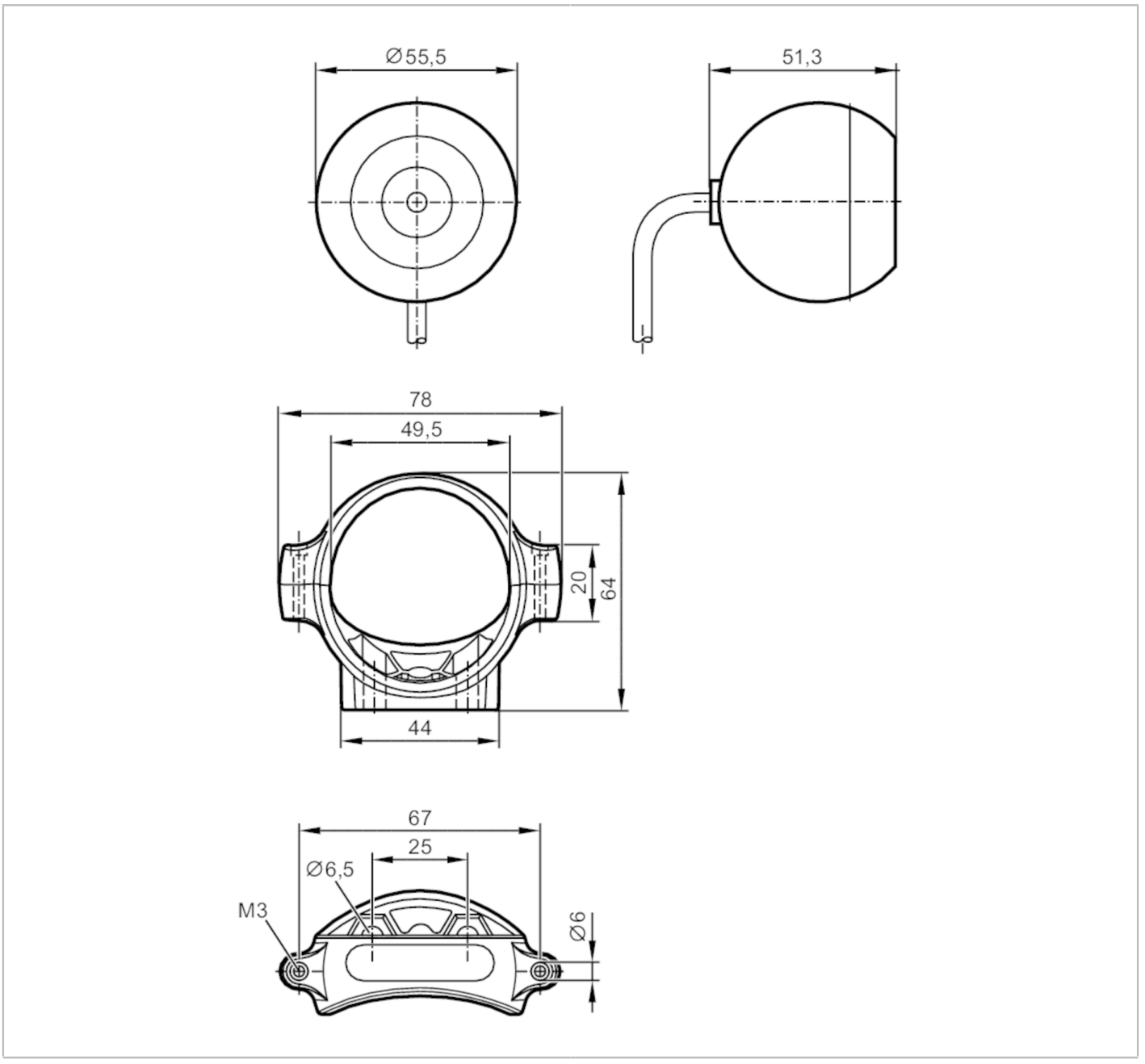
O2M200

Analogue camera for mobile machines

O2MXOOKG/A1/GM/78



Product characteristics		
Image resolution	[px]	640 x 480
Angle of aperture	[°]	80 x 59
Application		
Special feature		Screened cable
Electrical data		
Operating voltage	[V]	12...32 DC
Current consumption	[mA]	< 280; (with lens heating)
Overvoltage protection		yes
Image sensor		¼" 4:3 VGA CMOS image sensor Color

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Switch-on peak current	[mA]	1000				
Switch-on peak current duration	[ms]	2				
Outputs						
Video output		PAL (25 fps interlace) 720H x 576V (640 x 480), 1 Vtt / 75 Ω				
Detection zone						
Field of view size	[mm]	Operating distance	field of view			
		1000	1680 x 1130			
		2000	3360 x 2260			
		3000	5030 x 3390			
		4000	6710 x 4530			
		5000	8390 x 5660			
Image resolution	[px]	640 x 480				
Angle of aperture	[°]	80 x 59				
Light sensitivity	[LUX]	< 0.05				
Dynamic range	[dB]	> 80				
Operating conditions						
Ambient temperature	[°C]	-40...85				
Storage temperature	[°C]	-40...100				
Protection		IP 67; IP 69K				
Tests / approvals						
EMC		DIN EN 61000-6-4	industrial environments			
		DIN EN 61000-6-2	industrial environments			
		UN-ECE R10				
Shock resistance			50 g			
Vibration resistance		Frequency range 24...2000 Hz	(15.3 x 9.81 m/s²)rms			
		PSD (g²/Hz)	0.04...0.1			
Salt spray test		IEC 60068-5-52				
Mechanical data						
Weight	[g]	311				
Dimensions	[mm]	Ø 55.5 / L = 51.3				
Materials		housing: PC/ABS; front lens: polyamide glass fibre reinforced				
Accessories						
Items supplied		Mounting set:, E2M210				
		screws: 2 x M6 x 20				
		washers				
		Nuts: 2 x M6, self-locking				
		anti-slide pad				
Remarks						
Pack quantity		1 pcs.				

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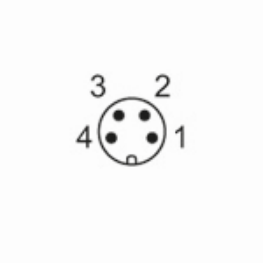
Electrical connection

Cable: 0.5 m, shielded

Connector: 1 x M16; coding: A; Shielded connection cable: screen connected



1	coax cable core video signal
2	coax screen video GND
3	U+
4	0 V