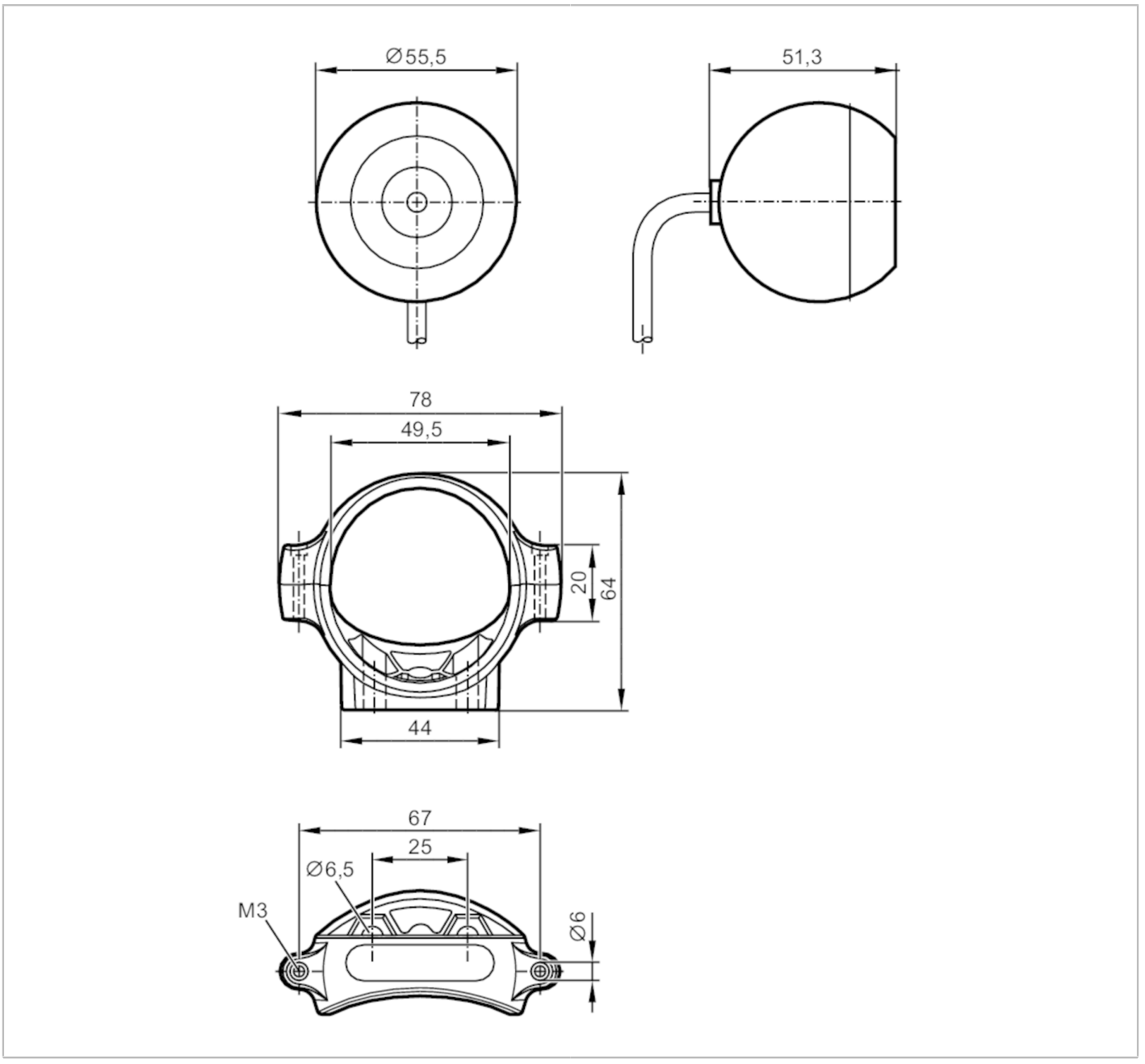
O2M201

Analogue camera for mobile machines

O2MXOOKG/A1/GM/78/M



Product characteristics		
Image resolution	[px]	640 x 480
Angle of aperture	[°]	80 x 59
Application		
Special feature		Screened cable
Application		Integrated mirror function
Electrical data		
Operating voltage	[V]	12...32 DC
Current consumption	[mA]	< 280; (with lens heating)
Overvoltage protection		yes

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Image sensor		¼" 4:3 VGA CMOS image sensor Color			
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]	313			
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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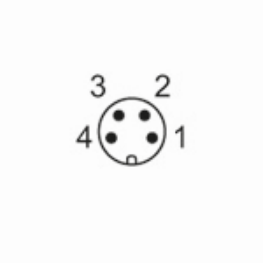
Electrical connection

Cable: 0.5 m

Connector: 1 x M16; coding: A; Shielded connection cable: true



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