



Industrial imaging

# MultiViewBox: display up to 4 camera images on one screen



Camera systems for  
mobile machines



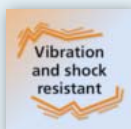
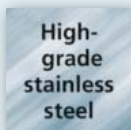
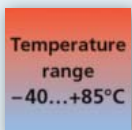
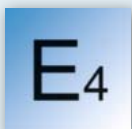
**Video splitter for up to four  
camera images**

**9 different display modes  
(incl. bird's eye view)**

**Analogue video output (PAL)**

**Shock and vibration resistant,  
potted stainless steel housing**

**E4 type approval, optimised  
for use in mobile machines**



## Suitable camera images in every situation

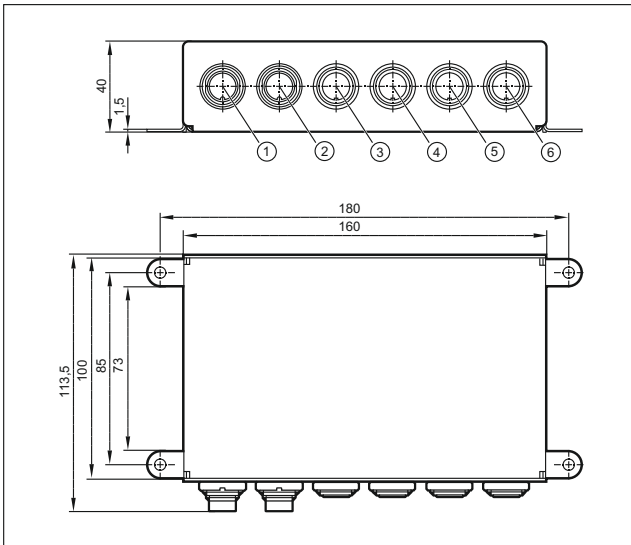
The multi-view box has been designed for use in mobile machines in harsh environments. It features four camera inputs. Depending on the requirements, 1, 2 or 4 camera images can be selected simultaneously in different arrangements via one control input. For example: Cam1 when moving forwards and Cam2 and 3 when moving backwards. In the "bird's eye view" 4 camera images can even be combined to become one 360° view. A total of 9 different display modes are available for the user.

## Analogue video output

The ifm PDM360 dialogue module with analogue video input which is also suitable for mobile use or any other video display with PAL video input can be used as display.



## Dimensions



- 1) INPUT
- 2) OUTPUT
- 3) C4
- 4) C3
- 5) C2
- 6) C1

## Connection technology

Type	Description	Order no.
	Connection cable, M16, 3,85 m, 8 poles, for the voltage supply of the E2M250 multi-view box, open cable end	<b>E2M251</b>
	Socket, M16, wirable 8 poles, for the voltage supply of the E2M250 multi-view box	<b>E2M252</b>
	Adapter cable, 0.6 m black, PVC cable, M12 connector / M16 socket, to connect the MultiViewBox to the PDM NG	<b>E2M200</b>
	Jumper, 5 m black, PVC cable, M16 plug / M16 socket	<b>E2M203</b>
	Jumper, 11 m black, PVC cable, M16 plug / M16 socket	<b>E2M204</b>
	Jumper, 16 m black, PVC cable, M16 plug / M16 socket	<b>E2M205</b>
	Jumper, 21 m black, PVC cable, M16 plug / M16 socket	<b>E2M206</b>

## Products

Type	Description	Order no.
<b>MultiViewBox</b>		
	Video splitter, visualisation of up to 4 camera images (PAL) on one process and dialogue module	<b>E2M250</b>
<b>Analogue camera, 0.5 m connection cable with M16 connector</b>		
	Angle of aperture 78°, lens heating	<b>O2M200</b>
	Angle of aperture 78°, lens heating, integrated mirror function	<b>O2M201</b>
	Angle of aperture 115°, lens heating	<b>O2M202</b>
	Angle of aperture 115°, lens heating, integrated mirror function	<b>O2M203</b>

## Technical data

<b>MultiViewBox E2M250</b>		
Operating voltage	[V DC]	10...32 DC
Current consumption	[mA]	< 1200
Video signal		PAL (25 fps, interlacing) 720H x 576V (active 680 x 480)
Ambient temperature	[°C]	-40...85
Protection		IP 67 (ISO 20653)
Approval		UN-ECE R10
Housing materials		stainless steel SS316 (1.4401)
Connection		M16 connector