

Safe Teleremote operation for a variety of applications

Portable Teleremote Solution

In some situations, the safety demarcation zone or the size of the machine may obscure operator's vision of the front or rear of the machine, preventing them from being able to get a clear view needed to perform simple operations.

When Line-of-Sight operation is available but vision is hindered or the area is unsafe, a portable Teleremote solution allows the operator to carry out the task from a safe distance, well beyond natural viewing sight.

The ControlMaster Portable Teleremote system is designed to perform Teleremote tasks where a full-vision system is not required.

The Portable Teleremote system utilises two cameras on board the machine to provide the operator with vision of the machine's movements. The camera images are relayed to a colour 7" LCD screen, which is positioned on the ATX remote set or a 10" LCD which is mounted in a separate, self-powered tough case that can be placed in the operator's direct view.

The operator is able to control the machine via the vision from the LCD unit. The camera views can be manually switched via the camera change button or automatically switched as the machine moves between forward and reverse. The Portable Teleremote system is easy to transport and is available with proportional outputs, single and dual channel systems are also available depending on requirements.



Reference: SBCM250517



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Features

- LCD Display
- Practical solution for enhanced Line-of-Sight operation
- Allows operator to work at a safe location away from the machine
- Surface or underground use
- Can be fitted to any ATX transmitter
- CE, FCC compliant
- Built-in automatic brightness control sensor
- Integrated safety ticker that allows the viewer to detect frozen images.

Specifications

15150 PORTABLE VIDEO DISPLAY	
Screen Size	7-inch
Display Start up Time	30 s
Video Latency	Up to 500 ms
Resolution	WVGA 800(W) x 480(H)
Aspect Ratio	16:9
Brightness	400 cd
Contrast Ratio	500:1
View Angle (L/R/U/D)	70/70/50/70
Power Requirement	Regulated 12 Vdc @ 8 Watt
Video Signal	Composite video (CVBS) 75Ω 1 V p-p
Operating Temperature	-30 °C to +50 °C
Dimension - Screen Only	Width: 181mm Height: 134mm Depth: 67mm
Housing Material	Aluminium
Housing Colour	Black
Weight (including mount, excluding ATX transmitter)	1.4 kg
Degree of Protection	IP65
ATX Battery Endurance with Attached Video Receiver (RX)	5 h approximately
SSID	Portable Video Assist xxx
Radio Technology	802.11
Radio Frequency	2.4 GHz
Radio Channels	Default channel set to 1, 6, 11
Radio Channel Bandwidth	20 MHz
Antennae	2 x 3 dBi 2.4 GHz SMA male omnidirectional antenna
Mount Material	Aluminium
Mount Colour	Black

15149 PORTABLE VIDEO TRANSMITTER	
Mating Connectors	1 x DT06-12S / 4x DT06-4S
Startup Time	30 seconds
Camera Inputs	4 x Cameras Max. (2x Included)
Dimension - excluding mounting screws	Width: 220mm Height: 178mm Depth: 92mm
Housing Material	Aluminium
Housing Colour	Grey
Degree of Protection	IP67
Input Voltage	9 to 32 Vdc
Weight	10 kg
Mount Material	Mild Steel
Mount Colour	Black
RADIO	
Video Input System	PAL
SSID	Portable Video Assist xxx
Video Input	75 Ω 1 Vpp
Radio Power Output	Region Specific
Radio Frequency	2.4 GHz
Radio Technology	802.11
Radio Channels	Default channel set to 1, 6, 11
Voltage Standing Wave Ratio (VSWR)	< 2.1
Nominal Gain	3 dB-M.E.G.
Polarization	Vertical and Horizontal
Pattern	Omnidirectional
Half-Power Beamwidth (Elevation° x Azimuth°)	130° x 360°
Antenna Housing Material	ABS
Tested Line-of-Sight Range	100 m
14220 CAMERA	
Pickup Device	Sony ISX017 WDR Sensor colour CMOS
Angles of Vision	82 (H) / 61 (V) / 140 (D)
Total Pixels	1,297 (H) x 977 (V) / 1.27 M pixels
Min. Illumination	0.1 Lux (F = 20)
Input Voltage	12 to 48 Vdc
Operating Temperature	-20 °C to 60 °C
Storage Temperature	-30 °C to 70 °C
Degree of Protection	IP69K
Dimensions - with bracket	57.9 (Dia) x 71.1 (H) mm
Weight - with bracket	155g

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Parts

 APN: 15197	Portable Tele Kit (1 Camera)
 APN: 15329	Portable Tele Kit (2 Cameras)

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