



**Palomar
Display
Products**

Wrist Display Unit



Palomar Display Products' Wrist Display Unit (WDU) is a ruggedized control/display unit optimized for field use. It contains a 3.5" color LCD display and 8 soft keys. The display screen can be rotated 180 degrees to facilitate both right and left handed users.

The WDU can display video, graphical, and text data. It connects to its host using a single cable carrying video and soft key data.

The unit accepts NTSC or PAL video and passes key data via a RS-232 interface. The WDU can center zoom in on the displayed image without host intervention using soft key commands. The user can also control the host unit from the WDU.

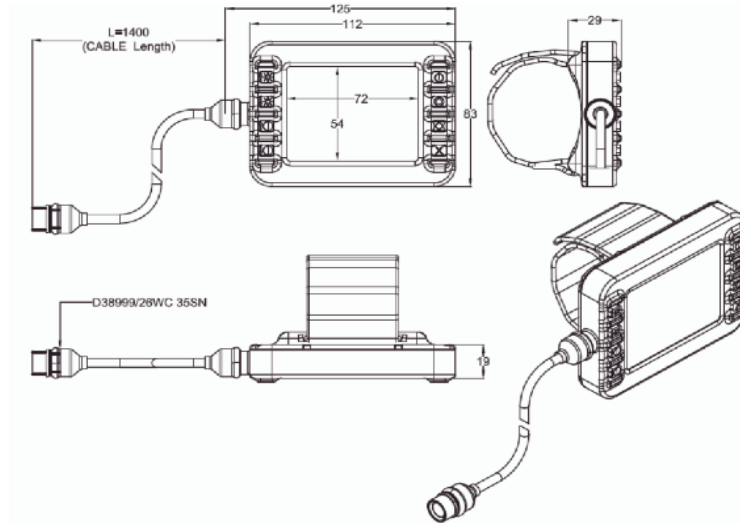
Typical applications for the WDU are the display of drone surveillance data or command information. Its use is defined by the user's host equipment. The host system also provides WDU power. A Velcro band attaches the WDU to the user's wrist or arm.

All products are designed and manufactured to meet specific customer requirements. They can be tailored to operate with various video and communication standards.

Palomar Display Products, Inc.

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Wrist Display Unit Specifications



Display Size	3.5"
Serial Communication	RS-232
Signal and Video Connectors	D38999 and BNC
Frame Rate	50 - 60 Hz
Video Standard	NTSC and PAL Composite
Aspect Ratio	4:3
Brightness	0.17 to 617 Nits
NVG Compatibility	Class B (Optional)
Viewing Angle	Horizontal \pm 45 degrees, Vertical \pm 30 degrees
Color Capability	256,000 colors (6 bits/color)
Input Power	18- 32 VDC, MIL-STD-704D/1275
Power Consumption	5 W maximum at full intensity
Operating Temperature Range	-10° to +55° C, -20° to +55° C optional
EMI	MIL-STD-461C, MIL-STD-6051D
Environmental	MIL-STD-810C/D
MTBF	Greater than 5000 hours
Function Keys	Soft keys under system control
Size	4.50"x3.157"x1.14" (80mm x 110mm x 29mm)
Weight	1.75 lb (0.8 kg)



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