

## PP1 Picture-in-Picture Unit – User Guide



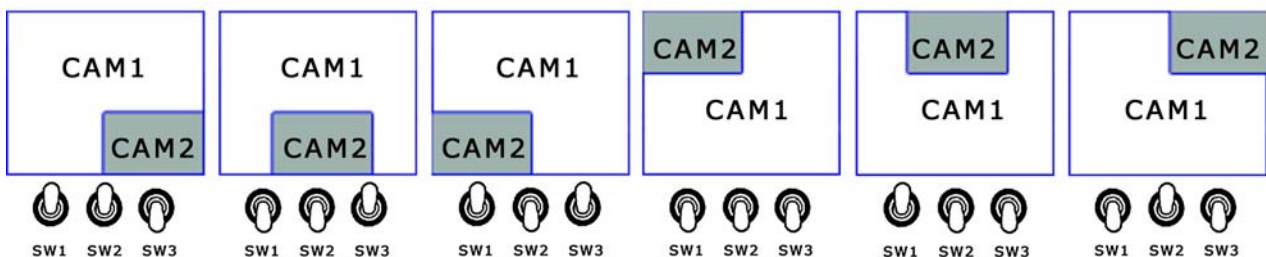
There are two camera inputs on the front of the unit (CAM1 & CAM2). Using BNC cables or adapters connect the two cameras to these inputs. The PP1-PRO version uses 4 pin connectors which supply power to the cameras making installation simpler and neater.

Connect the video recorder or a monitor to the video output (VIDEO). The output can also be connected to the Drivedata RT overlay unit video input if required.

Connect 12V DC power to the socket on the front panel (12V). This requires a 2.1mm plug, with the centre pin positive. Various power cables are available from Drivedata, including a locking power plug which makes this connection more secure. If you are powering the DPIP1 directly from a 12v battery or other un-fused supply, we recommend fitting a 2 Amp fuse in the supply cable.

Note that the PP1 unit consumes approximately twice the power of a typical bullet camera, so if you are using batteries the lifetime will be shortened.

Before powering the unit on, select a screen layout using the three switches (S1, S2, S3). There are six possible positions for the inset picture. Use the diagram below to choose a layout. The layout can be changed while the PP1 is on, but sometimes it does not detect the correct switch positions and therefore it is recommended to always power the unit off and on after altering switch positions.



## Specification

<b>Video</b>	
Camera Inputs	2
Video outputs	1
Format	Composite video 75 $\Omega$ 1V peak – peak. PAL 625-line 50Hz
Connectors	BNC (Standard version) / 4-pole Hirose & BNC (Pro version). Locking power connector
<b>Inset</b>	
Positions	6
Method	Scaled digital image; 7bit ; 50 fields/sec
<b>Power</b>	
Supply requirements	10-13V DC, 300mA internally regulated
Connector	D.C. Socket 2.1mm, locking-type (requires screw-locking plug)
<b>Dimensions (mm)</b>	
L x W x H	180 x 105 x 30
<b>Weight</b>	410g