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Cloud Cap Technology VPS II
Solid Stable Imagery

The second generation Video Processing System is a feature rich video processor that dramatically enhances the performance of the entire TASE payload line. Executing video processing algorithms in the air is critical to obtaining high performance imagery, especially in UAV applications where latency and video transmitter dropouts make ground based systems ineffective. Available as an optional stand-alone unit for the TASE150/200 payloads and built into the TASE300/400 payloads.

Key Features

E-stab - Converts jittery video into solid, stable imagery

Scene Steering - Keeps payload pointed at current scene. Allows users to pan and tilt the payload with traditional joystick commands

Object Tracking - Continuous tracking of selected objects, adjustable track box, coasts through occlusions to stay on target

Overlays - Select from a wide range of data for video overlays

Target Position Overlays - Overlays the estimated target position on the video

Local Contrast Enhancement - Enhances both washed out and shadowed details

Picture-in Picture - For multi-camera payloads, the customizable frame-in-frame feature allows for enhanced situational awareness

UTC Aerospace Systems

Control Interface

RS-232

Video In

2 SMA Standard Def (NTSC/PAL)

3 Standard Def thru 15 pin D-Sub

Video Out

SD Out

Electrical
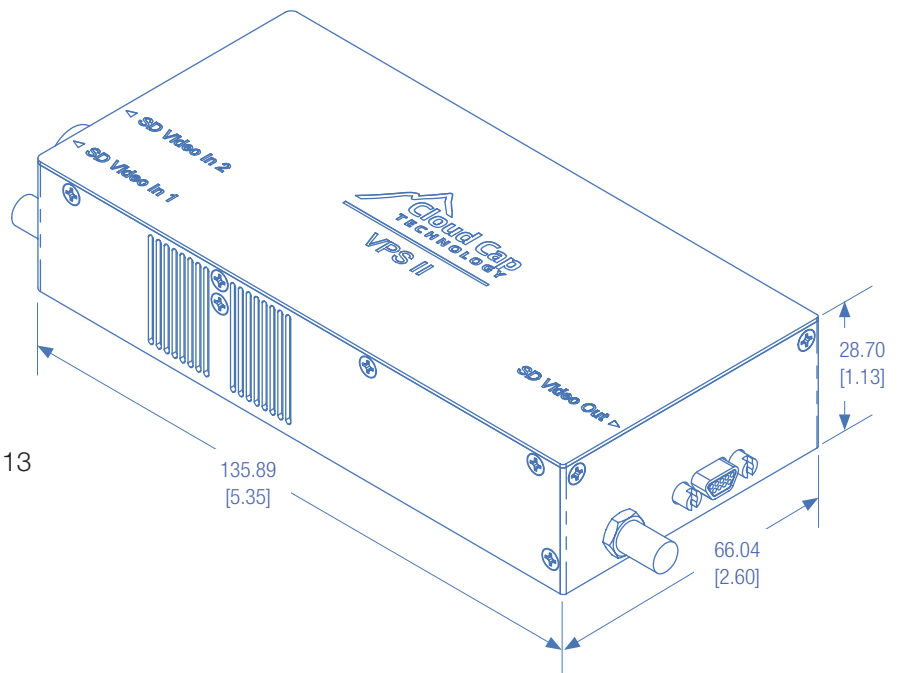
VIN: 9 - 30 Volts

Power: 6 W (average)

Mechanical

Size: 135.9 x 66.0 x 28.7 mm (5.53 x 2.60 x 1.13 inches)

Weight: 200 g (7 oz)

Evironmental

Operating Temperature: -40°C to 60°C

Dimensions in mm [inches]

VPS Feature Set

Features	Limited	Advanced
E-Stab	●	●
Scene Steering	●	●
Object Tracking		●
Overlays		●
Target Position Overlays		●
Local Contrast Enhancement		●
Picture-in-Picture Viewing		●

Cloud Cap Technology
TASE Stabilized Imaging
Payloads

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