

Chameleon Ultra-Fast 4K Switcher

PS300T



ProAV 4K image scaler and switcher



- HQUltra 4K upscaling technology**
- Pan-tilt-zoom and picture-in-picture support**
- Ultra-fast 0.25-second source switching**
- HDMI, HDBaseT and 3G-SDI inputs / outputs**

Scale and switch video sources up to 4K resolution with the Optoma Chameleon PS300T image processor. HQUltra technology scales images to 4K fidelity for stunning video with low latency. Switch inputs in as little as 0.25-seconds for lightning-fast switching, whether via digital HDMI sources or legacy analog formats, without sacrificing image quality.

Analog audio inputs and outputs provide audio-follow-video capabilities for easy integration with custom audio configurations. Microphone inputs with phantom power and an internal mixer make it easy to add a presenter or voiceovers. An integrated amplifier enables direct connections to passive speakers for a simplified audio output.

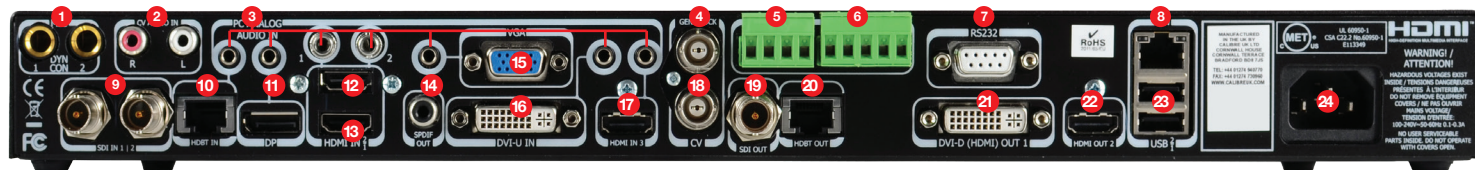
Full HD
1080p

4K ULTRA HD™

HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE

HDCP

HDBaseT®
ASE



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|--------------------------|----------------------|--------------------|-----------------|---------------|
| 1. Mic Inputs | 6. Balanced Line-Out | 11. DisplayPort-In | 16. DVI-U-In | 21. DVI-D-Out |
| 2. CV Audio-In | 7. RS-232C | 12. HDMI-In | 17. HDMI-In 3 | 22. HDMI-Out |
| 3. Analog Audio Inputs | 8. LAN | 13. HDMI-In 2 | 18. CV | 23. USB |
| 4. Genlock | 9. 3G-SDI-In | 14. S/PDIF-Out | 19. 3G-SDI-Out | 24. AC power |
| 5. Amplified Speaker-Out | 10. HDBaseT-In | 15. VGA-In | 20. HDBaseT-Out | |

VIDEO SPECIFICATIONS

Display Outputs	1x HDMI (1.4a, 4K ¹), 1x DVI (1080p), 1x HDBaseT (4K ¹), 1 x 3G SDI ²
Display Inputs	2x HDMI (1.4a, 4K ¹), 1x HDMI (1.4a), 1x DisplayPort (4K ¹), 2 x 3G SDI, 1x HDBaseT (4K ¹), 1x DVI-U (supports HDMI, VGA/RGBS/YpBPr with adapter [not included]), 1x VGA, 1x composite (PAL/NTSC/SECAM), 1x Genlock reference sync (supports bi/tri-level or black&burst 50/59.94/60Hz formats)
Maximum Input/Output Resolution	4K ¹ (HDMI 4K/DisplayPort /HDBaseT only) 3840x2160p (23.97/24/25/29.94/30/50/59.94/60), 4096x2160p (23.97/24) HD 1280x720p, 1920x1080i, 1920x1080psf, 1920x1080p (23.97/24/25/29.94/30/50/59.94/60), 2048x1080p (23.97/24/25/29.94/30/50/59.94/60) ED 480p, 576p (not via SDI), SD 625i (576i), 525i (480i) Common VESA graphics formats from VGA to 4K, (modes higher than WUXGA on 4K capable input channels only)
Operating Temperature	41°F - 104°F (5°C - 40°C)
Power Source	AC 100-240V 50/60Hz
Power Consumption	50W typical @ 100-240V AC

COMPATIBILITY SPECIFICATIONS

User Controls	Front panel jog-wheel and LCD menu display Keypad for direct input selection Remote control via RS232, TCP/IP API and Web server Gigabit Ethernet for webserver and remote control API
I/O Connection Ports	Inputs: 2x HDMI (4K ¹), HDMI (HD), DisplayPort (4K ¹), HDBaseT (4K ¹), 2x 3G-SDI, DVI-U, VGA, composite, Outputs: HDMI (4K ¹), DVI, 3G-SDI ² , S/PDIF Control: RJ-45 (LAN), RS232C, 2x USB

Features	Picture-in-picture (PIP), Streaming video input (via network port)
Audio Output	2x 15W amplifier, S/PDIF (coaxial), balanced line output
Audio Input	7x analog (3.5mm), 1x RCA (CV audio), 2 x mic
Rackmount Compatibility	1U

PHYSICAL SPECIFICATIONS

Weight	6.5 lbs.
Dimensions (W x H x D)	19" x 1.75" x 7.75"

Warranty	1-year warranty on parts and labor
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What's in the Box	PS300T, power cable
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UPC	796435 09 134 7
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Optoma.com



¹ 4K @ 60Hz limited to YUV 4:2:0 color space
² 3G-SDI output is disabled with HDCP-encrypted input and also when incompatible output modes are selected.
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