

Odyssey7Q Tech Specs

Feature	Odyssey7Q Technical Specs
Display	7.7" OLED, 1280x800, RGB 8-Bit Panel, ~ 16 million colors, wide gamut, 3400:1 Contrast, 176° Viewing, True Blacks
SDI Video I/O	HD/3G Support: Single/Dual Link, 2-Inputs, 2-Outputs, 2 Bi-Directional (Can be inputs or outputs), Full-size BNCs
HDMI Video I/O	HDMI I/O Version 1.4a support, Up to 1080p30 422 8-bit
LUT Support	ARRI, Canon, Sony, future support for ASC CDL LUTs
Focus Assist	Video + Edges, Edges Only, Enhanced Edges, user choice of color: Red, Green, or Blue + Pulsing
Zebras	One Level, Future: Two Levels
False Color	False color with 5 programmable levels
Waveform Monitor	Luma only, RGB, Red only, Blue only, Green only, and RGB Parade
Histogram	Luma only, RGB, or Red, Blue or Green individually
Vectorscope	Future Release: Color vectorscope with 2X zoom
1:1 and 2:1 Pixel Mode	Pan & Zoom, Auto Screen Flip, Aspect Ratio Guides, Future Release: Horizon Indicator
Quad Stream Display	Display four independent HD-SDI streams simultaneously (Quad-Split) with live-switch capability
Digital Audio I/O	2-Channel Embedded Audio (48KHz, 24-bit) (8-Channel via future firmware update)
Analog Audio I/O	3.5mm stereo unbalanced headphone output, future update: input up to -10dB
Remote and Timecode	Timecode: LTC Input (BNC) or embedded SDI (future update will add HDMI TC); Tally (future update will add Remote Start)
User Interface	Capacitive Touchscreen, Two mechanical function keys (future update will make these keys programmable)
DC Power Input	6.5 to 34 VDC with built-in reverse polarity protection; locking connector, built-in power switch
Power Draw	8 Watts (monitor only), 9-15 Watts (simultaneous monitor/record mode)
Weight and Size	560 grams / 1.3 lbs., 7.9" x 6.1" x 1.0" (200 x 155 x 25 mm), -10 to +40°C (Operating), -20 to +70°C (Storage)
Onion Skinning	Future Update: Overlay pre-recorded still frame on live video with opacity slider
View Monitor Out, Record Clean Video	Future Update: Display the monitor-out (viewfinder data) on the OLED while recording a clean video signal. Available when using the Sony F3, Sony FS700, Canon C500 and ARRI Alexa cameras.
Record Triggers	Touchscreen, SDI record trigger (ARRI, Canon, Panasonic, Red, Sony), Future: Optional Remote Control Cable
Recording SSD Media	Convergent Design SSDs with power-loss protection, in 256 and 512 GB sizes, 480MB/sec write, 500MB/sec read speed, compatible with USB 3.0 and Thunderbolt adapters. SSDs and adapters sold separately.
Recording Formats (Base Odyssey7Q)	Uncompressed formats: 1080p RGB 10/12-bit 444 up to 60fps, Feb Update: (Compressed 1080p 10-bit YCC 422 up to 30fps), April Update: (1080p RGB 12-bit 444 DPX up to 30fps and compressed 4K/QHD 10-bit YCC up to 30fps)
	All Specifications subject to change and update without notice.
	Extra Cost Recording Options, Available for Web Purchase 24/7
Sony FS700 RAW	FS700 Support: 2K Raw up to 240fps (.dng format), Feb Update: Compressed Super-Sampled HD YCC 10-bit 422 up to 30fps (.mov format), 4K RAW up to 60fps March Update: 4K compressed 422, up to 30 fps.
2K RAW (Future)	2K Raw: up to 120fps (.dng format). Cameras from IO Industries, LMP, Indiegam, Weisscam, P&S Technik
Canon C500 4K RAW	Canon C500 4K/QHD RAW 10-bit up to 60fps (.rmf format), Feb Update: 2K/1080p, 444, 12-bit, up to 30 fps, Future: Half QHD/Half 4K Raw 10-bit up to 120fps (.rmf format), 2K/1080p, 422 10-bit, up to 120fps
ARRIRAW	ALEXA ARRIRAW: (16:9 up to 60 fps, 4:3 up to 48 fps) with VariFrame and de-squeeze support (.ari format) ARRI Certification Pending
Multi-Stream HD (Future)	Multi Stream HD Recording: Recording up to four separate (non-genlocked) video streams into four separate compressed video files, up to 1080p30. The four HD streams may be displayed in separate quadrants (quad-split) with live switching capability.