Having the best professional monitor/recorder is a big plus!

ODYSSEY 7Q+™

HDMI•SDI

4K•UHD•2K•HD

ProRes | DPX | CINEMA DNG | RAW

HDMI
4K over HDMI
Record 4K in Apple ProRes over HDMI from DSLRs, mirrorless cameras and camcorders such as α7S, GH4 and NX1.

4K/HD Routing
Standard HD output with LUT supportover both HDMI and SDI from any source. HDMI and SDI outputs are always active.

Multi Link SDI
Up to four SDI inputs allows dual-link and quad-link connectivity. Supports Alexa, C500, Flare 4KSDI, F55, F35 and Phantom.

Multi-Stream
Monitor up to four HD video signals at once or live switch between them. Multi-Stream Recording available as a future option.

OLED Display
Stunning HD OLED Capacitive Touchscreen Display with true blacks, accurate colors, and zero latency.

Monitoring Tools
Powerful built-in Monitoring Tools such as Waveform, Histogram, False Color, Pixel Zoom, Focus Assist and LUTs.

Reliable Media
Odyssey SSDs are Power-Loss Protected to prevent corruption. Fast media allows for quicker offloading of files.

Versatility
The Odyssey7Q+ is a versatile monitor/recorder. with powerful features, recording options and frequent firmware updates.

Upgrades Available
+ ARRIRAW / Canon RAW / Sony RAW / POV RAW
+ High Frame Rate Support up to 240fps
+ 4K/UHD RAW to ProRes Conversion
+ Buy or Rent Upgrades Online Any Time

Industry Proven
Thousands or Odyssey monitor/recorders are in use by industry professionals throughout the world. Odyssey sets the standard for functionality and reliability.

Find Out More...
To learn more about the Odyssey7Q+ monitor/recorder or find an authorized Convergent Design dealer visit us online at **Convergent-Design.com**

The Industry's Best Monitor/Recorder

PRODUCT FEATURES

HDMI and SDI I/O	HD/2K/UHD/4K Recording over HDMI or SDI w/ conversion
LUT Support	ARRI Log-C, CANON C-Log, SONY S-Log, S-Log 2, S-Log 3
Aspect Ratio Guides	Standard and Custom (user adjustable), may be used for framing guides, Horizontal/Vertical Framing Guides Available
Focus Assist	Video + Edges (Peaking), Edges Only, Enhanced Edges, user choice of color: Red, Green, or Blue
Zebras	Adjustable zebra exposure indicators
False Color	False Color with 5 programmable levels
Waveform	Luma only, RGB Parade, Red only, Blue only, Green only, Full Size and Compact Size options
Histogram	Luma only, RGB Parade, Red only, Blue only, Green only, Full Size and Compact Size Options
Pixel Zoom	1:1 and 2:1 Image Magnification with frame drag
Output Downscaling	Output 1080p HD via HDMI or SDI from 4K/UHD source (allows for additional on-set monitoring)
Multi-Stream Display	Display four simultaneous 1080 or 720 HD streams, HD-SDI and HDMI inputs supported in multiple formats
Digital/Analog Audio	Multi-channel audio support via SDI, HDMI or 3.5mm analog ports
Timecode	Timecode: LTC I/O (BNC) or embedded timecode via HD-SDI & HDMI (limited to specific cameras)
Record Triggers	Touchscreen, SDI record trigger (ARRI, CANON, PANASONIC, RED, SONY), HDMI (SONY, CANON, PANASONIC), Timecode
In/Out Markers	In/Out markers set during recording can be used during start/stop/playback and exported to NLE.
Upgradeable	RAW Recording Options available for purchase or rental through our website. (Sony RAW, Canon RAW, ARRIRAW, POV Raw)
Dual SSD Support	Dual drive architecture allows for long record time, high-frame-rate and high-data-rate recording.
Rugged Design	Magnesium alloy case for extreme durability in harsh conditions

ODYSSEY 7Q+

HD/2K/UHD/4K
OVER SDI OR HDMI

$2295 USD
List Price
Shipping December 2014

With multi-stream monitoring and the ability to record 4K/UHD over HDMI or SDI the Odyssey7Q+ is the most advanced, capable and versatile professional monitor/recorder in the industry.

RECORDING FORMATS

Compressed Recording Formats:
4K/UHD 10-bit YCC 422 up to 30 fps, in Apple ProRes 422 HQ
2K/1080p 10-bit YCC 422 up to 60 fps, in Apple ProRes 422 HQ
1080i 10-bit YCC 422 up to 60i, in Apple ProRes 422 HQ
720p 10-bit YCC 422 up to 60 fps, in Apple ProRes 422 HQ

Uncompressed Recording Formats:
2K/1080p RGB 10/12-bit 444 up to 30fps, in DPX File Format
1080p RGB 10-bit 444 up to 60fps, in DPX File Format

Optional RAW Recording Formats:
Sony FS7/FS700 RAW, Canon C500 RAW, ARRIRAW, POV RAW
(Available for purchase or daily rental through our website)

ProRes

4K

PRODUCT SPECIFICATIONS

Display	7.7" OLED, 1280x800, RGB 8-bit panel, ~16 million colors, wide gamut, 3400:1 contrast ratio, 176° viewing, true blacks
SDI Video I/O	HD-SDI/1.5G / 3G support: Single/Dual/Quad Link inputs (HD/2K/Ultra-HD & 4K supported), Dual HD-SDI 1.5G outputs, Full-size BNCs
HDMI Video Input	HDMI I/O Version 1.4a support, 8-bit, up to 1080p60 422, up to 30 fps in Ultra-HD (3840 x 2160) and up to 30 fps in 4K (4096 x 2160)
HDMI Video Output	HDMI I/O Version 1.4a support, 8-bit, up to 1080p30 422
OLED Monitor	Vertical Auto-Flip (defeatable), Adjustable Color to match other monitor's calibration, Adjustable Saturation
Digital Audio I/O	2-channel SDI or HDMI embedded audio (48KHz, 24-bit)
Analog Audio I/O	3.5mm port for line level 2-channel unbalanced or 1-channel balanced input up to -10dB, 48KHz, 24-bit, 3.5mm stereo headphone output, adjustable
User Interface	Capacitive Touchscreen, three mechanical keys
Sound Level	Silent, no fan or vents, no RF emissions
DC Power Input	6.5 to 34VDC with built-in reverse polarity protection; locking power connector, built-in power switch
Power Draw	8 watts (monitor only), 9 to 18 watts (depending on selected record mode)
Weight and Size	560 grams / 1.2 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)
Recording Media (Dual SSD Slots)	Convergent Design Premium 2.5" SSDs with power-loss protection, in 256GB, 512GB and 1 TB sizes, 420Mb/sec write, 500Mb/sec read speed, compatible with USB 3.0 and Thunderbolt Adapters. *SSDs and adapters sold separately.*

RECORD TIMES (Based on 1TB total SSD Capacity)

	24fps	25fps	30fps	50fps	60fps
4K/UHD Apple ProRes 422 (HQ) *(GH4, A7S & F55)*	154	148	123		
2K Apple ProRes 422 (HQ)	617	592	494	296	247
1080p Apple ProRes 422 (HQ)	658	631	527	316	263
1080i Apple ProRes 422 (HQ)				658	527
720p Apple ProRes 422 (HQ)				710	593
2K Uncompressed DPX (RGB 444 12-bit)	64	61	51		
2K Uncompressed DPX (RGB 444 10-bit)	71	69	57		
1080p Uncompressed DPX (RGB 444 12-bit)	68	65	54		
1080p Uncompressed DPX (RGB 444 10-bit)	76	73	61	37	30
ARRIRAW 16:9	90	87	72	43	36
Canon 4K/QHD RAW *(4K Half RAW 100/120fps = 12 minutes)*	56	54	45	27	23
Sony 4K RAW	47	45	38	23	19
Sony 2K RAW *(100fps = 40 minutes / 240fps = 20 minutes)*	188	180	150	90	75
4K RAW to HD Apple ProRes 422 (HQ) "4K2HD"**	658	631	527	316	263
4K RAW to 4K Apple ProRes 422 (HQ) "4K24K"**	154	148	123		
Sony 4K RAW 100/120fps Burst *(440 frames - 17.6sec@25p/18.3sec@24p)*					
POV 2K 10-bit RAW	252	242	202	120	100
POV HD 10-bit RAW *(120fps = 52 minutes)*	268	256	214	128	106
POV HD 12-bit RAW	222	214	178	106	88

Included with Odyssey7Q+ (rows: 4K/UHD through 1080p Uncompressed DPX)
With Optional Upgrades (rows: ARRIRAW 16:9 through POV HD 12-bit RAW)

** 4K RAW to ProRes conversion from C500/FS7/FS700 requires Recording Option Upgrade.

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