ALEXA 35 LIVE

ARRI LOOK. SEAMLESS INTEGRATION.

ARRI Live Entertainment
Cinematic ARRI look for live, multi-camera productions

ARRI introduces the ALEXA 35 Live - Multicam System, bringing cinematic 4K image quality, unrivalled HDR, and a new level of creative control to live productions in a dockable multi-camera setup. The system combines the ALEXA 35 Live camera, the Live Production System LPS-1 (comprising a Fiber Camera Adapter and Fiber Base Station), the Skaarhoj remote control panel, and a slew of bespoke accessories.

Incorporating the full functionality of a system camera, the ALEXA 35 Live - Multicam System offers a complete solution that is easy to integrate and packed with unique features. It sits alongside other products such as the AMIRA Live, 1800 Multicam System, ARRI and Claypaky lighting, TRINITY Live stabilizer, 360 EVO remote head, and ARRI Solutions, collectively demonstrating ARRI's commitment to enhancing production value in the live entertainment sector.

Concerts

Sports Events

TV Shows

Education, Communication

ARRIRAW

ARRI ALEV Sensor

- Spherical or anamorphic sensor modes
- Surround view (except Open Gate mode)
- Dual Gain Architecture (DGA)
- Dual 14 bit A/D conversion
  - mapped to 16 bit linear light
  - 65.536 code values
- 14+ stops of dynamic range
- Open Gate 3424 x 2202 active photosites

Fashion Shows

Stage Shows

Houses of Worship

Corporate

ALEXA 35 LIVE

Incredible color, detail, depth, and HDR

The ALEXA 35 Live camera offers the uniquely cinematic ARRI look. Supporting an ongoing trend in live productions, the Super 35-sized 4K sensor enables shallow depth of field. Capturing 17 stops of dynamic range—more than any other camera on the market—it handles extreme lighting situations for the best results in SDR and HDR. Colors are rendered accurately through ARRI's proprietary REVEAL Color Science, from bright, saturated hues to the subtlest tones and shades. As a result, even contrasty concert lighting is captured faithfully and skin tones are beautiful, so performers always look their best. Low-light scenes display minimal noise and highlights roll off in a natural, film-like way. Detail, texture, color, and contrast all enhance the visual storytelling.

- Shallow depth of field through Super 35 sensor
- Exceptional 17 stops of dynamic range for the best SDR and HDR images
- REVEAL Color Science for accurate color rendition and beautiful skin tones
- Low noise in low-light scenes
- In-camera, full-quality ProRes recording (LogC4) during live production
- Modular lens mounts (LPL, PL, EF, B4) offer a wide choice of lenses
- Optional upgrade to ALEXA 35 with Cine License
- Stand-alone operation without Fiber Camera Adapter

ALEXA 35 LIVE

Choice of creative looks

ARRI cameras are renowned for making it easy to craft stunningly beautiful images and the ALEXA 35 Live - Multicam System provides all the common live production shading controls to continue this tradition into the live realm. But the system goes even further, with additional creative options that can quickly give any project a fresh look.

The built-in ARRI Look Library offers 87 cinematic looks that control color and can be activated at the push of a button, catering to a huge variety of shooting scenarios. In addition, several specially developed Multicam looks provide time-saving presets for typical live production scenarios such as Talk Show, Game Show and Winter Sports.

Default   Super Nostalgic

Default   Default   Default

Talk Show Look   Game Show Look   Winter Sports Look

ARRI Textures are a unique method to modify grain and contrast. Eight cine-style ARRI Textures are included with the camera, and more are available for download from the ARRI website. A special variant of the default texture provides extra sharpening control for optimized image matching.

Explore
ARRI Textures

Live Production System LPS-1
Efficient and seamless fiber solution

The Fiber Camera Adapter of the ALEXA 35 Live - Multicam System attaches to the camera quickly and easily, while the Fiber Base Station integrates seamlessly into the control room or OB vehicle, supporting multiple simultaneous outputs such as UHD and HD as progressive or interlaced video. Connecting them is a SMPTE 311 hybrid fiber cable that includes copper connections to supply up to 400 W of power for the camera and accessories. The hybrid cable also allows uncompressed 4K video transmission over a distance of up to 2 km. Tactical fiber cable lengths of up to 10 km can be used if the camera is powered locally. An extra fiber tunnel and Ethernet tunnel increase the system's flexibility.

Features overview – Fiber Camera Adapter

- Attaches easily to ALEXA 35 Live or ALEXA 35 with minimal cabling
- Industry-standard interfaces (including tally) with familiar, easy to use controls
- SMPTE 311 hybrid cable for uncompressed 4K transmission over 2 km with power
- Up to 400 W available for camera power and 12 V or 24 V accessories
- Camera can be powered locally for tactical fiber cable lengths up to 10 km
- Separate fiber tunnel for additional video, audio, or control signals

Features overview – Fiber Base Station

- Smooth integration into live production environments
- Simultaneous outputs e.g., UHD and progressive or interlaced HD
- Broadcast-quality HD down-converter
- Hot-swappable redundant power supply
- Future-proof through SMPTE 2110 IP interface
- Safe SMPTE 2022-7 "seamless protection switching" redundant network
- Multiple video output options for program video and monitoring

Remote control, setup, configuration, and diagnostics
Easy, time-saving adjustments

For fast setup and easy configuration, the ALEXA 35 Live - Multicam System is equipped with several carefully considered user interfaces, providing control when and where you need it. A jog wheel and display on both the Fiber Camera Adapter and the Fiber Base Station provide status display and allow on-the-spot adjustments, saving time and hassle. The ARRI Webremote allows full control of the camera, while a Multicam web interface provides full configuration of the Fiber Camera Adapter and Fiber Base Station, including signal routing, diagnostics, and software updates. The Skaarhoj Reactor web interface allows full control, configuration, and updating of the Skaarhoj remote control panel.

- Jog wheel and display on Fiber Camera Adapter and Fiber Base Station for local configuration
- Comprehensive Multicam web interface for configuration of FCA and FBS, including signal routing, diagnostics, and software updates
- Full camera control and configuration through ARRI Webremote
- Full RCP control and configuration via Skaarhoj Reactor web interface
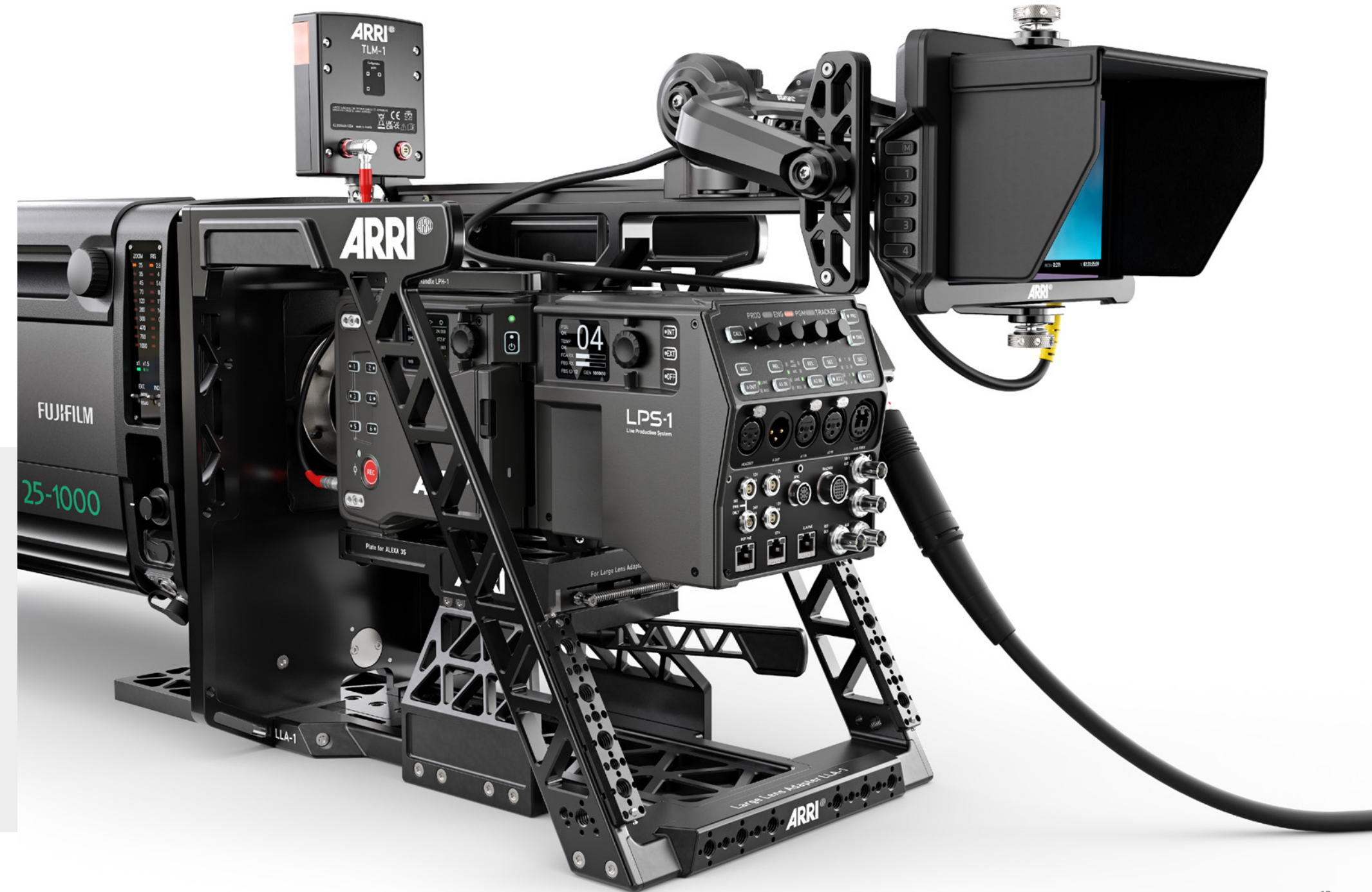
Skaarhoj Remote Control Panel RCP Pro ARRI V2B
Take full creative control

While the system is open to support any number of established remote control panels, the recommended tool of choice is the Skaarhoj RCP Pro ARRI V2B. It combines classical RCP handling with a powerful, fully customizable interface, making the most of ALEXA 35 Live's exceptional image quality and offering additional creative possibilities. By using ARRI's Camera Access Protocol (CAP), the Skaarhoj RCP enables traditional live painting as well as full control over camera settings, including some not covered by other RCPs, such as frame rate, REC start/stop, playback, and the selection of looks, ARRI Textures, and setup files.

Skaarhoj RCP main features

- System open to support other established RCPs
- Live painting possible, as with standard RCPs
- Tool of choice is the Skaarhoj RCP Pro ARRI V2B
- Classical and intuitive RCP handling
- Powerful, fully customizable interface
- Simple, free-of-charge software updates

Greater camera control, including:

- REC start/stop for ISO reel in camera
- Playback: play/pause, select clip, jog, playback speed
- Select looks, ARRI Textures, camera setup files
- Remote focus and zoom
- ASC CDL values: RGB slope, offset, and power
- Tint (green/magenta balance)

For live production companies and rental houses
Future-proof system for long-term returns

ARRI cameras are a wise investment for live productions due to their exceptional capabilities. They offer superior image quality, capturing scenes with stunning dynamic range, accurate colors, and beautiful details. Their Super 35 sensors excel in challenging lighting conditions, ensuring consistent performance during live events. The famously robust ARRI build quality and compatibility with interchangeable lenses make them dependable, versatile cameras for capturing memorable moments. The ALEXA 35 Live - Multicam System responds to a growing market for cine-style, multi-camera live events.

For system integrators and technical engineers
Reliable tools for extended shoots

System integrators and technical engineers can benefit significantly from using ALEXA 35 Live cameras in their work. Designed specifically for live production, they offer high-quality imaging, impressive dynamic range, and flexible frame rate options. Their ergonomics and rugged construction make them reliable tools for extended shoots. They also provide a user-friendly interface and operating system, and great mobility. As part of the ALEXA 35 Live - Multicam System they can be seamlessly integrated into multi-camera live productions.

For directors of photography and lighting designers
Raising the bar of visual storytelling

ALEXA 35 Live is purpose-built for live production, offering unsurpassed image quality and seamless integration. It provides an impressive dynamic range of 17 stops, capturing extra detail in both the highlights and shadows. This flexibility is crucial for live events, where lighting conditions can vary significantly. The ability to handle challenging lighting scenarios allows DPs and lighting designers to create visually captivating moments on stage or during broadcasts with full remote control through the ALEXA 35 Live - Multicam System. With its Super 35-sized sensor, the camera permits shallow depth of field to create a cinematic feel and to focus the audience's attention. Wherever and whatever your live production, the ALEXA 35 Live will enhance your visual storytelling through detail, texture, color, contrast, and beauty.

Multicam System accessories
Bespoke offerings for rapid setups

Accompanying the ALEXA 35 Live - Multicam System is a collection of bespoke, ergonomically designed accessories that allow the camera to be set up for many different live production scenarios with unprecedented speed and efficiency. The ARRI Touchdown base plate system, with its innovative quick-release mechanism, permits rapid transitions between handheld and super-stable tripod operation. A special onboard monitor yoke, low-profile handle, and prominent tally light accommodate common multi-camera environments, while the ARRI Large Lens Adapter dramatically reduces the time and effort required to mount ARRI cameras to large box lenses, offering versatile connectivity and control.

Multicam System
Flexible options for different needs

Multicam System Sets

K0.0051069   ALEXA 35 Live - Multicam System Entry

ALEXA 35 Live camera
ARRI PL Mount (Hirose)
Balance Utility Dovetail BUD-1
LPS-1 Fiber Camera Adapter FCA-1
LPS-1 Fiber Base Station FBS-1
Camera to FCA Ethernet Cable

K0.0051070   ALEXA 35 Live - Multicam System Standard

ALEXA 35 Live camera
ARRI PL Mount (Hirose)
Balance Utility Dovetail BUD-1
LPS-1 Fiber Camera Adapter FCA-1
LPS-1 Fiber Base Station FBS-1
Camera to FCA Ethernet Cable
ALEXA 35 Multicam Support Set
Tally Light Module TLM-1
RIA-1 Bracket
Cable LBUS - LBUS (0.5 m/1.5 ft)

K0.0051101   ALEXA 35 Live - Multicam System Pro

ALEXA 35 Live camera
ARRI PL Mount (Hirose)
Balance Utility Dovetail BUD-1
LPS-1 Fiber Camera Adapter FCA-1
LPS-1 Fiber Base Station FBS-1
Camera to FCA Ethernet Cable
ALEXA 35 Multicam Support Set
Tally Light Module TLM-1
RIA-1 Bracket
Cable LBUS - LBUS (0.5 m/1.5 ft)
Large Lens Adapter LLA-1
LLA-1 Plate for ALEXA 35
Cable Hirose to Box Lens
LLA-1 Case

Multicam Extension Sets

K0.0051278   **ALEXA 35 - Multicam Extension Set Entry**

LPS-1 Fiber Camera Adapter FCA-1
LPS-1 Fiber Base Station FBS-1
Camera to FCA Ethernet Cable
Multicam License Upgrade for ALEXA 35

K0.0051279   **ALEXA 35 - Multicam Extension Set Standard**

LPS-1 Fiber Camera Adapter FCA-1
LPS-1 Fiber Base Station FBS-1
Camera to FCA Ethernet Cable
Multicam License Upgrade for ALEXA 35
ALEXA 35 Multicam Support Set
Tally Light Module TLM-1
RIA-1 Bracket
Cable LBUS - LBUS (0.5 m/1.5 ft)

K0.0051280   **ALEXA 35 - Multicam Extension Set Pro**

LPS-1 Fiber Camera Adapter FCA-1
LPS-1 Fiber Base Station FBS-1
Camera to FCA Ethernet Cable
Multicam License Upgrade for ALEXA 35
ALEXA 35 Multicam Support Set
Tally Light Module TLM-1
RIA-1 Bracket
Cable LBUS - LBUS (0.5 m/1.5 ft)
Large Lens Adapter LLA-1
LLA-1 Plate for ALEXA 35
Cable Hirose to Box Lens
Case for LLA-1

Multicam Accessories

KK.0051232   **ALEXA 35 Multicam Support Set**

ARRI Touchdown Base Plate TBP-1
ARRI Touchdown Receiver Plate TRP-1
Live Production Handle LPH-1

KK.0051203   **Large Lens Adapter LLA-1 Set Entry**

Large Lens Adapter LLA-1
LLA-1 Plate for ALEXA 35
Cable Hirose to Box Lens

Multicam Accessories (cont.)

KK.0051202 **Large Lens Adapter LLA-1 Set Standard**

Large Lens Adapter LLA-1
LLA-1 Plate for ALEXA 35
LLA-1 Plate for ALEXA Mini/LF
LLA-1 Plate for AMIRA
Cable Hirose to Box Lens
camRade rainCover OB/EFP Large
Case for LLA-1

Monitor Set

KK.0051229 **CCM-1 for Live Production Set**

CCM-1 with Sunhood, Screen Protector
Monitor Yoke Support MYS-1L (for CCM-1)
2x Cable VF (0.5 m/1.5 ft)
Cable RS - RS/PWR IN (0.5 m/1.6 ft)

Lens Mounts

K2.0042652
ARRI PL Mount (Hirose)

K2.0018983
ARRI LPL Mount (LBUS)

K2.0016936
ARRI PL-to LPL-Adapter

K2.0018983
ARRI PL Mount (LBUS)

K2.0019965
ARRI EF Mount (LBUS)

Accessories

K2.0050656
Tally Light Module TLM-1

K2.0050634
Live Production Handle LPH-1

K2.0049959
Touchdown Base Plate TBP-1

K2.0049960
Touchdown Receiver Plate TRP-1

K2.0034180
Balance Utility Dovetail BUD-1

K2.0039465
RIA-1 Bracket

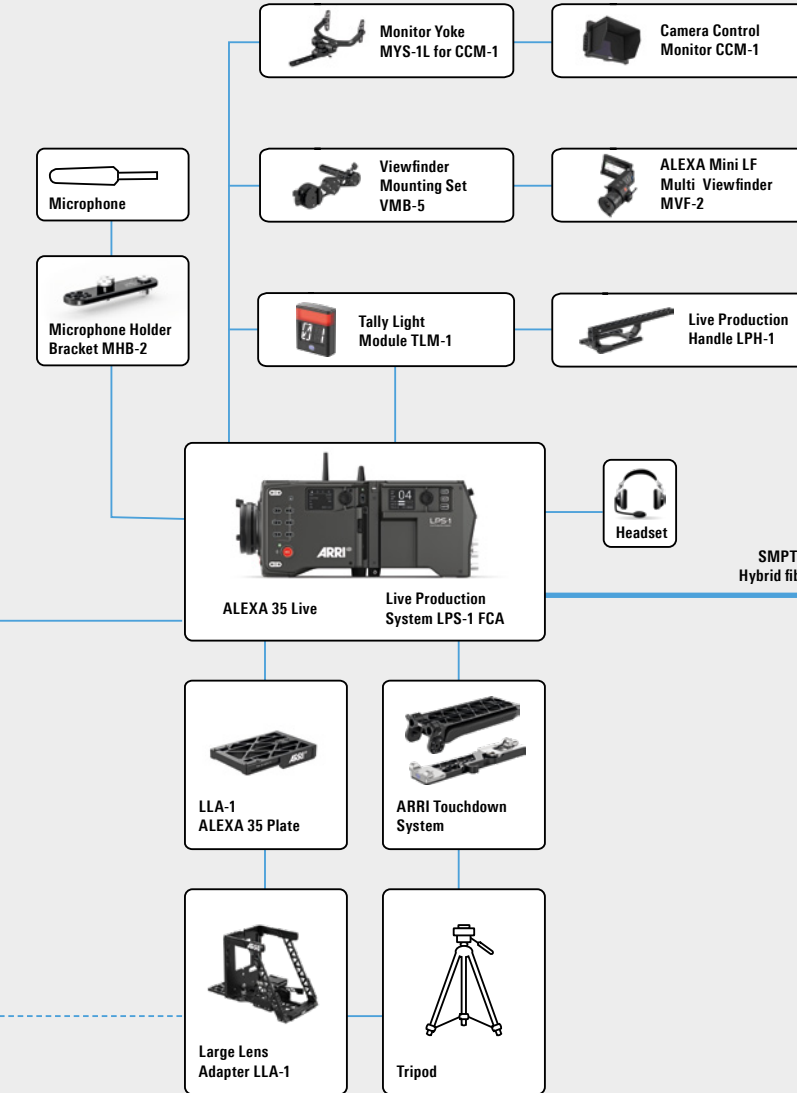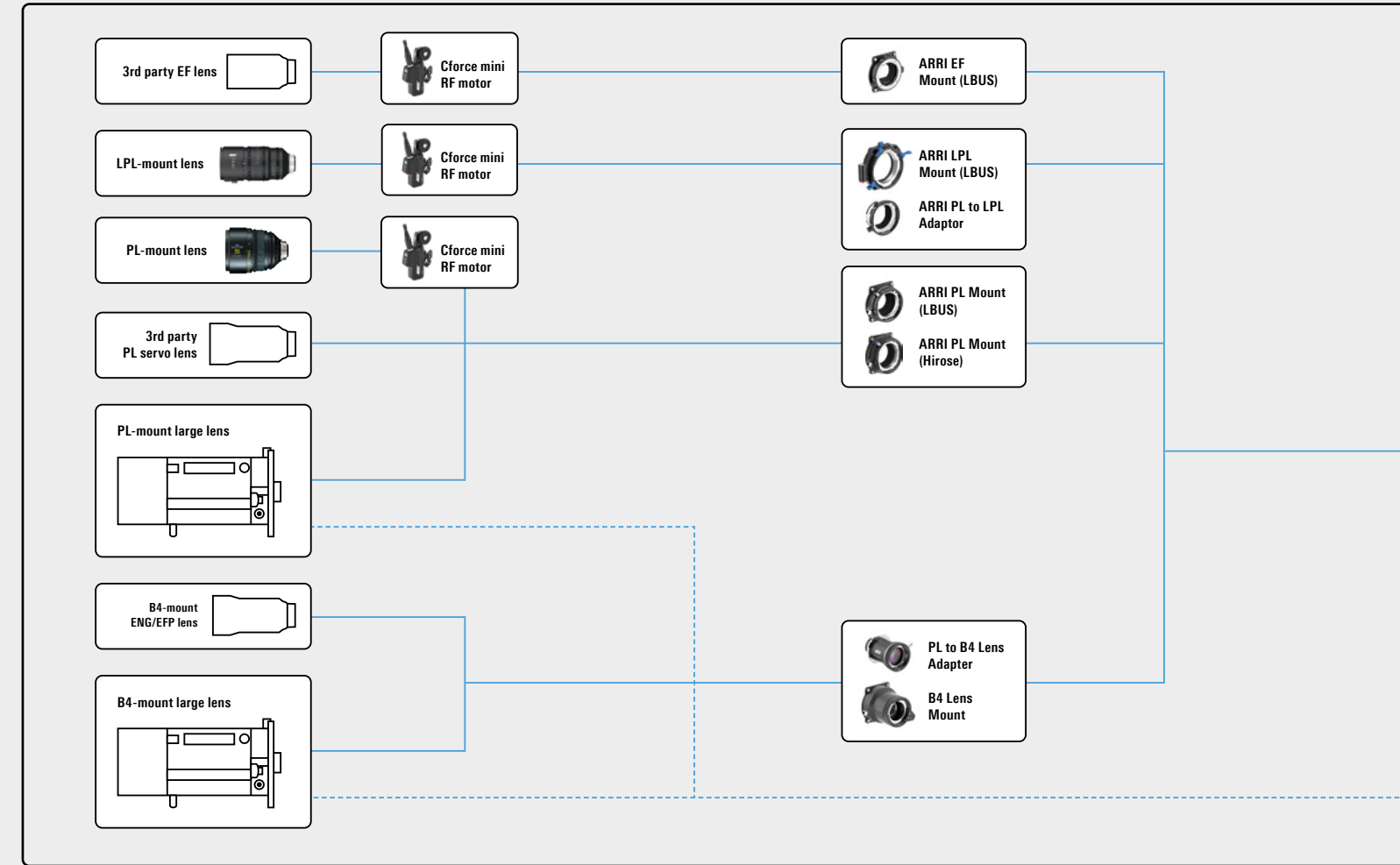## RCP

K2.0044481
Skaarhoj RCP Pro ARRI V2B

Large Lens Adapter Components

K2.0050774
Large Lens Adapter LLA-1

K2.0050125
Cable Hirose to Box Lens

K2.0050777
LLA-1 Plate for ALEXA 35

K2.0050776
LLA-1 Plate for ALEXA Mini/LF

K2.0050775
LLA-1 Plate for AMIRA

K2.0050817
camRade rainCover OB/EFP Large
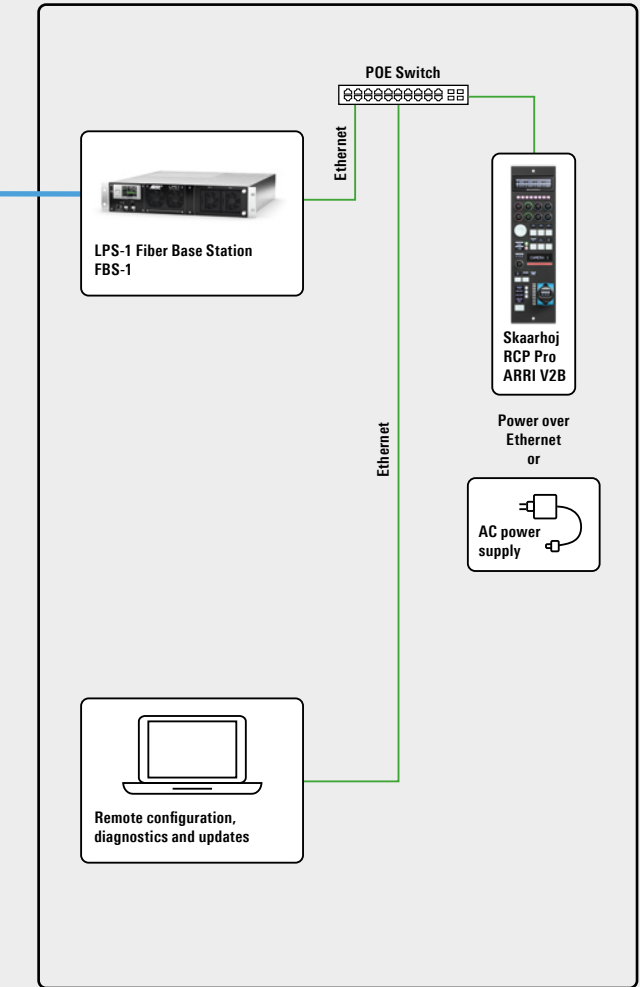
K2.0050793
Case for LLA-1

Configuration Overview

Lenses Setup

- 3rd party EF lens
- LPL-mount lens
- PL-mount lens
- Cforce mini RF motor
- Cforce mini RF motor
- Cforce mini RF motor
- ARRI EF Mount (LBUS)
- ARRI LPL Mount (LBUS)
- ARRI PL to LPL Adaptor
- ARRI PL Mount (LBUS)
- ARRI PL Mount (Hirose)
- 3rd party PL servo lens
- PL-mount large lens
- B4-mount ENG/EFP lens
- B4-mount large lens
- PL to B4 Lens Adapter
- B4 Lens Mount

Engineering/Production Gallery

- Monitor Yoke MYS-1L for CCM-1
- Camera Control Monitor CCM-1
- Viewfinder Mounting Set VMB-5
- ALEXA Mini LF Multi Viewfinder MVF-2
- Tally Light Module TLM-1
- Live Production Handle LPH-1
- Microphone
- Microphone Holder Bracket MHB-2
- ALEXA 35 Live / Live Production System LPS-1 FCA
- Headset
- LLA-1 ALEXA 35 Plate
- ARRI Touchdown System
- Large Lens Adapter LLA-1
- Tripod

SMPTE 311 Hybrid fiber cable

SMPTE 311 Hybrid fiber cable

POE Switch

Ethernet

- LPS-1 Fiber Base Station FBS-1
- Skaarhoj RCP Pro ARRI V2B
- Remote configuration, diagnostics and updates

Ethernet

Power over Ethernet or

- AC power supply

ARRI Service
Worldwide technical support

ARRI prides itself on the build quality and reliability of its equipment, but also on the aftersales care provided to customers. Like all ARRI products, the ALEXA 35 Live – Multicam System is supported by a network of highly trained service technicians committed to the highest levels of customer care. With 15 advanced service centers worldwide, the global service workflow is equipped to handle issues between offices and across different time zones to maximize responsiveness and reduce delays. Through the ARRI website, customers can find their nearest service location and make a service request, as well as search for spare parts and book advanced service training. Registering your ALEXA 35 Live is the surest way of staying informed about the latest updates and announcements.

ARRI Academy
Strengthen your knowledge

Offering a wide range of multi-day training courses, individual sessions, and educational events in different countries and languages worldwide, ARRI Academy is the best route for users of all abilities to gain hands-on knowledge of ARRI products and workflows and build their on-set confidence. Online courses are also available for remote learning.

Technical Data

ALEXA 35 Live

Sensor Type	Super 35 format ARRI ALEV 4 CMOS sensor with Bayer pattern color filter array
Sensor Photosites and Size	4608 x 3164 27.99 x 19.22 mm / 1.102 x 0.757" Ø 33.96 mm / 1.337"
Sensor Frame Rates	0.75 - 60 fps
Weight	~2.9 kg / 6.4 lbs (camera body with three antennas and PL Mount (Hirose))
Photosite Pitch	6.075 µm

Sensor Modes	Active Image Area (Dimensions)	Image Circle Ø	Active Image Area (Photosites)	Recording Resolution (Pixel)	Max fps
4K 16:9	24.90 x 14.00 mm 0.980 x 0.551"	28.57 mm 1.125"	4096 x 2304	4K (4096 x 2304)	60 fps
				UHD (3840 x 2160)	60 fps
				2K (2048 x 1152)	60 fps
				HD (1920 x 1080)	60 fps
4K 2:1	24.90 x 12.40 mm 0.980 x 0.490"	27.82 mm 1.095"	4096 x 2048	4K (4096 x 2048)	60 fps
3.8K 16:9	23.30 x 13.10 mm 0.918 x 0.516"	28.55 mm 1.124"	3840 x 2160	UHD (3840 x 2160)	60 fps
2K 16:9 S16	12.40 x 7.00 mm 0.490 x 0.276"	14.24 mm 0.561"	2048 x 1152	2K (2048 x 1152)	60 fps

Dynamic Range	17 stops
Exposure Index	Adjustable from EI 160 - 6400 in 1/3 stops
Shutter	Electronic shutter, 5.0°- 356° or 1 s - 1/8000 s
Recording Codecs	MXF/Apple ProRes 4444 XQ MXF/Apple ProRes 4444 MXF/Apple ProRes 422 HQ
Recording Media	Codex Compact Drive 1TB (CA08-1024) Codex Compact Drive 2TB (CB16-2048)
Recording Modes	Multi Viewfinder MVF-2 with OLED viewfinder display (1920 x 1080) and 4" LCD flip-out monitor (800 x 400)
Viewfinder Type	Multi Viewfinder MVF-2 with 4" flip-out touchscreen monitor
Viewfinder Diopter	Adjustable from -5 to +5 diopters
Color Management	ARRI Color Management (ALF4 file with custom 3D LUT for creative look. LogC4, LogC4 WVO output or output of in-camera ARRI Display Render Transform LUTs to Rec 709, Rec 2020, Rec 2100 PQ, Rec 2100 HLG) ASC CDL parameters (slope, offset, power, saturation) ARRI Look Library Live Painting of Video Parameters
Texture Control	8 built-in cine-style Textures, 5 dedicated Multicam Textures and import ability for custom Textures from ARRI website
White Balance	Manual and auto white balance, adjustable from 2,000 K to 11,000 K in 10 K steps Color correction adjustable range from -16 to +16 CC 1 CC corresponds to 035 Kodak CC values or 1/8 Rosco values
Filters	Four position built-in motorized ND filter: Clear, 0.6, 1.2, 1.8 Fixed optical low pass, UV, IR filter

Image Outputs	2x VF custom CoaXPress connectors for MVF-2 viewfinder 2x 12G SDI (BNC): 422 1.5G HD, 422 3G HD, 444 3G HD, 422 6G UHD, 422 12G UHD, 444 12G UHD
Lens Squeeze Factors	1.00
Exposure and Focus Tools	False Color, Zoom, Aperture and Color Peaking
Audio Inputs	1x AUDIO (LEMO 6-pin) for balanced stereo line in (line input max. level +24 dBu correlating to 0 dBFS) Two built-in microphones for scratch audio With Audio Extension Module AEM-1: additional 3x TA3 connectors (MIC/Line, +48 V, AES) With LPS-1 Fiber Camera Adapter: additional 2x TA3 connectors (MIC/Line, +48 V, AES)
Audio Outputs	1x 3.5 mm stereo headphone connector (on MVF-2 and CCM-1) 2x SDI (embedded audio)
Power Inputs	1x PWR (LEMO 8-pin) 1x BAT (camera rear interface / battery adapter) 20.5 - 33.6 V DC
Power Outputs	1x RS (Fischer 3-pin) for 24 V accessory power out, start/stop and shutter pulse 1x 12 V (LEMO 2-pin) for 12 V accessory power out 1x LBUS (LEMO 4-pin) for lens motors & 24 V power out, daisy-chainable 1x AUDIO (LEMO 6-pin) for balanced stereo line in and 12 V accessory power out 1x ETH (LEMO 10-pin) for remote control, service and 24 V accessory power out With Power Distribution Module PDM-1: additionally 4x 24 V, 2x 12 V and 1x D-Tap With LPS-1 Fiber Camera Adapter: additionally 1x 24 V and 3x 12 V
Audio Recording	4 channel linear PCM, 24 bit 48 kHz
Remote Control Options	Camera Companion App ARRI Electronic Control System (ECS) Web-based remote control from phones, tablets and laptops via WiFi & Ethernet Camera Access Protocol (CAP) via WiFi & Ethernet GPIO interface for integration with custom control interface Skaarhoj Remote Control Panel
Wireless Interfaces	Built-in WiFi module (IEEE 802.11b/g) Built-in White Radio for ARRI ECS lens and camera remote control
Lens Mounts & Adapters	ARRI LPL Mount (LBUS) ARRI PL-to-LPL Adapter ARRI PL Mount (LBUS) ARRI PL Mount (Hirose) ARRI EF Mount (LBUS) Leitz M Mount for ARRI
Flange Focal Depth	LPL Mount: 44 mm, PL mount: 52 mm
Power Consumption	~ 90 W (Camera body and MVF-2)
Measurements (HxWxL)	147 x 152.5 x 203 mm / 5.8 x 6.0 x 8.0" (camera body with LPL lens mount)
Operating Temperature	-20° C to +45° C / -4° F to +113° F @ 0-95% RH
Storage Temperature	-30° C to +70° C / -22° F to +158° F
Sound Level	< 20 dB(A) at 30 fps, recording 4K 16:9 - UHD, Apple ProRes 4444 XQ, ≤ +30° ambient temperature
Licenses	ALEXA 35 Cine License (optional), ALEXA 35 Multicam License (included)

Technical Data

LPS-1 Fiber Camera Adapter
(specifications subject to change without notice)

Size	14.8 x 18 x 21 cm 5.82 x 7.09 x 8.27"
Weight	3.36 kg / 7.4 lbs
Available Power Supply for Camera	400 W
SMPTE Fiber Connector	3K series Lemo
Maxmimum SMPTE 311 Cable Length	2 km
Operating Temperature	-20° C to +45° C
Storage Temparature	-30° C to +70° C
Humidity	0-95% r.H from -20° C to operating temperature (without condensation)
Video Inputs	2x 12G, 3G or 1.5G SDI (BNC)
Video Outputs	1x AUX/Teleprompt SDI 12G, 3G, 1.5G Out (BNC) 1x 12G, 3G, 1.5G Camera SDI Out (BNC) 1x 3G, 1.5G Return Video SDI Out (BNC) 1x Analogue Black/Burst, Tri Level Out (BNC)
Audio Outputs	Embedded Audio on all SDI Out (BNC) 1x Analogue/AES Audio outputs (XLR 3-pin M) 1x AES Out (Camera Interface Connection)
Audio Inputs	2x Analogue/AES Audio inputs (XLR 3-pin F) 1x AES In (Camera Interface Connection)
Additional Inputs/Outputs	1x TC Out (Camera Interface Connection) 1x RCP PoE – for local camera control (RJ45) 1x LLA PoE - Large Lens Adaptor port for future expansion (RJ45) 1x Ethernet Tunnel - 1 Gbps (RJ45)

Controls

CALL	Signals camera operator wants to talk
PROD	Volume of production intercom
ENG	Volume of engineering intercom
PGM	Volume of program audio on intercom
TRACKER	Volume of tracker intercom
PRD	Enables intercom production channel microphone
ENG	Enables intercom engineering channel microphone
REL	Push release button to make a change with A OUT button
A OUT	Switches between AES or analog line level for A OUT when REL is pushed
REL	Push release button to make a change with A1 IN button
A1 IN	Switches between MIC 48 V/MIC/LINE/AES for A1 IN when REL is pushed
REL	Unlocks (releases) the A2 IN button
A2 IN	Switches between MIC 48 V/MIC/LINE/AES for A2 IN once unlocked
SEL	Selects one of the four return in channels for allocation to RET2 button
RT2	Switches from PGM video to the selected return in channel
SEL	Selects one of the four return in channels for allocation to RET1 button
RT1	Switches from PGM video to the selected return in channel

Connectors

HEADSET	XLR 5-pin socket for intercom headset
A OUT	XLR 3-pin plug for AES or analog line audio out
A1 IN	XLR 3-pin socket for audio input 1 (MIC 48 V/MIC/LINE/AES)
A2 IN	XLR 3-pin socket for audio input 2 (MIC 48 V/MIC/LINE/AES)
FIBER	Lemo 3K SMPTE 311M fiber connector (socket)
AUX FIBER	Neutrik Opticon connector for auxiliary fiber tunnel
12V/4A	Lemo EGG socket for 12 V accessory power output*
12V/2A	Lemo EGG socket for 12 V accessory power output
12V/2A	Lemo EGG socket for 12 V accessory power output
24V/4A	ARRI RS Lemo socket for 24 V accessory power output*
GPIO	Hirose 10-pin HR10A connector
TRACKER	Hirose 20-pin HR10A connector
SDI1 OUT	BNC Monitor out (= ALEXA 35 SDI 1 out)
RET OUT	BNC Monitor output of return video in from Fiber Base Station
RCP PoE	RJ45 Ethernet for direct RCP connection
ETH	RJ45 for auxiliary 1 Gbit/s Ethernet tunnel
LLA PoE	RJ45 Ethernet for Large Lens Adapter interface module for future use
REF OUT	BNC Genlock out
AUX	BNC Auxiliary/Teleprompter SDI out

* = only available when system is powered by SMPTE 311 fiber (INT)

Technical Data

LPS-1 Fiber Base Station

(specifications subject to change without notice)

Dimensions (H x W x L)	8.9 x 43.8 x 53.2 cm 3.5 x 17.2 x 20.9"
Weight	12.6 kg / 27.8 lbs
Available Power Supply for Camera	400 W
Fiber Base Station Mains Input (PSU 1 & 2)	100-120 V~ 50/60 Hz - 7.6A 220-240 V~ 50/60 Hz - 3.1A.
SMPTE Fiber Connector	3K series Lemo
Maxmimum SMPTE 311 Cable Length	2 km
Operating Temperature	0° C to 40° C
Storage Temparature	-30° C to +70° C
Humidity	0-95% r.H from - 20° C to operating temperature (without condensation)
Video Outputs	2x QL3G or 8 x SL3G SDI Out (BNC) 4x SL12G, SL6G, SL3G or 2 x DL6G SDI Out (BNC) 2x HD outputs (downconversion) (BNC) 1x HD Monitor Out - with status overlay (BNC) 1x REF Out (passive loop out) (BNC) 1x REF Out (active/PTP) (BNC)
Video Inputs	4x 3G Return Video In (BNC) 1x Analogue Black/Burst, Tri Level In (BNC) 1x 12G AUX/TP SDI In (BNC)
Audio Out	Embedded Audio on all SDI Out 2x Analogue/AES Audio outputs (XLR 3-pin M)
Audio Inputs	2x Analogue/AES Audio inputs (XLR 3-pin F)
Additional Inputs/Outputs	1x Timecode In (BNC) 1x RCP PoE (camera control) (RJ45) 2x MGM port (diagnostics, update and configuration.) (RJ45) 1x Ethernet Tunnel (1 Gbps) (RJ45) Intercom Production/Engineering, 2 x Program Audio, Red and Green Tally (25W-D) GPIO (4 inputs and outputs) (15W-D) 1x Fiber tunnel (2x fiber 1550nm) (Neutrik Opticalcon) 2x SMPTE 2110/2022-7 (ST2110 with redundancy) (SFP28)

Connectors & Controls (front)

RCP/MGM PoE RJ45 for RCP connection (PoE) or web interface

TALLY Red, green and yellow tally indicator
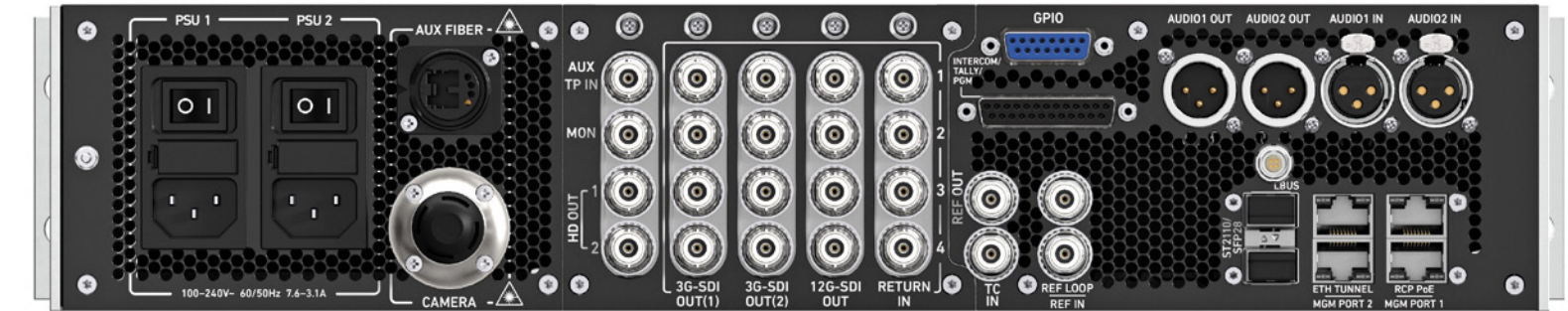
Connectors (back)

PSU 1	IEC 320 Universal AC mains power input (100-240 V, 50/60Hz)
PSU 2	IEC 320 Universal AC mains power input (100-240 V, 50/60Hz)
AUX FIBER	Neutrik Opticon connector for auxiliary fiber tunnel
CAMERA	Lemo 3K SMPTE 311M fiber connector (plug)
AUX TP IN	BNC input auxiliary/teleprompter (SDI up to 12G)
MON	BNC output with status overlay (SDI up to 3G)
HD OUT 1/2	2x BNC outputs for down converted HD signal (SDI up to 3G), progressive or interlaced
3G-SDI OUT (1) 1-4	4x BNC outputs for 4x single link 3G or 1x quad link 12G
3G-SDI OUT (2) 1-4	4x BNC outputs for 4x single link 3G or 1x quad link 12G
12G-SDI	4x BNC outputs for up to 4x single link 12G or 2x dual link 6G
RETURN IN 1-4	4x BNC inputs for return video (up to 3G)
GPIO	D-sub 15-pin for general purpose I/O
INTERCOM/TALLY/PGM	D-sub 25-pin for Intercom audio in/out, PGM audio in and Tally control
REF OUT	1x BNC output for active genlock (black burst or tri-level sync) derived from PTP or analog REF IN

TC IN	1x BNC input for linear timecode
REF LOOP	1x BNC loop output of genlock input signal (black burst or tri-level sync)
REF IN	1x BNC input for genlock signal (black burst or tri-level sync)
AUDIO1 OUT	XLR 3-pin plug (line level or AES) for balanced analog or digital audio
AUDIO2 OUT	XLR 3-pin plug (line level or AES) for balanced analog or digital audio
AUDIO1 IN	XLR 3-pin socket (line level or AES) for balanced analog or digital audio
AUDIO2 IN	XLR 3-pin socket (line level or AES) for balanced analog or digital audio
LBUS	ARRI LBUS connector for future use
ST2110/SFP28	SFP28 transceiver modules with LC fiber connector (up to 25G) for SMPTE 2110, primary or redundant
ST2110/SFP28	SFP28 transceiver modules with LC fiber connector (up to 25G) for SMPTE 2110, primary or redundant
ETH TUNNEL	RJ45 for auxiliary 1 Gbit/s Ethernet tunnel
MGM PORT 2	RJ45 for multicam web interface
RCP PoE	RJ45 for remote control panels (with power)
MGM PORT 1	RJ45 for multicam web interface

Technical Data

Skaarhoj RCP Pro ARRI V2B

4-way Buttons	9
Encoders	9
Tilted OLED Screens	1
Customizable OLED Screens	18
Small Customizable Joystick Display	1
Product W x D x H (mm)	102 x 355 x 127
Weight (g)	1292
Shipping Box W x H x D (mm)	445 x 140 x 150
Shipping Box Weight (g)	1906
Country of Origin	Denmark
Product Cables	12 V power supply
Operating Temperature	40° C
Storing Temperature	50° C
Programming Port	Ethernet (or Micro USB for setting manual IP)
Networking Port	RJ45 Ethernet
GPI/O-Interface	3 inputs + 3 outputs
Power Supply	To be announced
Recommended Cables (not in the box)	LAN Cat 6 S/FTP or better
Operating System	skaarOS (Blue Pill)
Universal Control	Check the website for Device Core to what can be controlled https://devices.skaarhoj.com/

www.arri.com/alexa35live