

# AVENCHES NATIONAL EQUESTRIAN INSTITUTE (IENA)



SWITZERLAND / 5 CAMERA LIVE TRANSMISSION VAN

**Visuals**<sup>+</sup>  
PROFESSIONAL TV,  
BROADCAST IT,  
FILM, VIDEO & PHOTO

**SKAARHOJ**



Opened in 1999, the Avenches National Equestrian Institute (IENA) is adjacent to the Haras National Suisse, on the outskirts of the Roman city. For training and competitions in various equestrian disciplines, the IENA has three race tracks, numerous fields, maneges and paddocks, covering approximately 142 hectares.

## SKAARHOJ Equipment;

ETH-GPI Dual  
2 x Rack Fly Uno  
1 x Rack Fusion I  
1 x Quick Bar

## Equipment controlled;

BMD Smart Videohub Router,  
NewTek TC1  
NewTek 3Play  
AJA Ki Pro Ultra  
BMD HyperDeck Studio



### VISION

### DIRECTOR

### SLOW-MOTION / HIGHLIGHTS



- VIDEOHUB CONTROL OF SPECIFIC CROSSPOINTS



TRICASTER TALLIES  
TO RCPs AND CAMERAS



JOYSTICK OVERRIDE TO VIDEOHUB



- FULL VIDEOHUB CONTROL  
- TRICASTER MACROS  
- SPECIFIC VIDEOHUB CONTROL IF TRICASTER GOES WRONG (EMERGENCY MODE)



1GB ETHERNET SWITCH



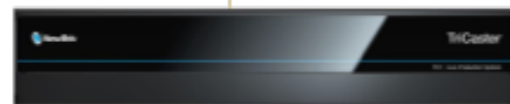
- VIDEOHUB CONTROL OF SPECIFIC CROSSPOINTS : RECORDER INPUTS, VAN EXT.OUTPUTS  
- 3PLAY MACROS



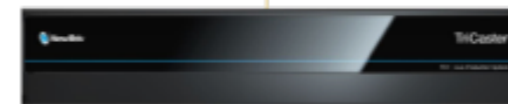
AJA KI-PRO AND  
BMD HYPERDECK CONTROL



SDI-VIDEOHUB  
40 X 40



NEWTEK TC-1  
VIDEO MIXER



NEWTEK 3PLAY  
VIDEO SERVER



AJA KIPRO ULTRA+



BLACKMAGIC HYPERDECK STUDIO

Video SDI	Visuals	Visuals
Video analog	Visuals	Visuals
LAN/Network	Visuals	Visuals
Fibre Optic	Visuals	Visuals
RS - Datas	Visuals	Visuals
Audio analog	Visuals	Visuals
Audio digital	Visuals	Visuals

PROJECT	Visuals
DESIGNER	Visuals
CONTACT	Visuals
DRAWING	BLOCKDIAGRAM-V1.1
DATE	Visuals

### **SKAARHOJ ETH -GPI LINK (Dual)**

**It is used to get joystick override information from the Sony RCPs and send commands to the SDI matrix. So the operator gets the right camera signal.  
It's also used to give Tally information to the Sony CCUs, based on PGM source information from the NewTek TC-1.**





## SKAARHOJ RACK FLY UNO

2x Rack Fly Uno(s) are set to provide access to SDI matrix specific cross-points; Depending on the operator needs.

### Example:

The Rack Fly Uno installed on the replay desk, has specific macros to send the right signal to be replayed on displays around the track or for referees. The operator gets simultaneously on his own display the same signal as what is sent outside of the truck.





### SKAARHOJ Quick Bar

A Quick Bar was installed very recently to control a HyperDeck Studio to get ISO records of an additional camera in addition to the 4 channels of the 3Play 1.

The Quick Bar also controls specific crosspoint of the matrix in addition to the HyperDeck transport.



## SKAARHOJ RACK FUSION I

Rack Fusion I is installed on the director's location by making use of the pages and encoders. The director gets access to all of the matrix ins and outs. We also set a global matrix preset save/recall ( by making use of a SHIFT state to avoid accidental preset saving) so he can easily recall a default state of the matrix.

This is great because this can not be done with regular BMD panels.

Finally we set-up an emergency mode, if anything goes wrong with the Tricaster, the director can directly switch the main video sources by using the panel.



**SKAARHOJ planning and configuration;  
Jérôme TERNOY  
VISUALS Systems Engineer**

**Visuals**

PROFESSIONAL TV,  
BROADCAST IT,  
FILM, VIDEO & PHOTO

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GENÈVE Rue du Pré-Bouvier 8, 1242 Satigny  
ZÜRICH Bergstrasse 23, 8953 Dietikon  
LUGANO Via Zorzi 28, 6900 Paradiso

T 022 561 07 07 Genève  
T 043 255 59 00 Zürich  
T 091 985 25 11 Lugano

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