

videoReferee®-ST
Technical characteristics

Parameters	videoReferee®-ST
Inputs SDI	
3G* / HD / SD	12 / 16 (requires additional license)
Video Formats	
1080i	50i / 59.94i
1080p	29.97PsF / 25PsF / 50p / 59.94p / 100p / 119.88p
720p	1280 x 720 - 59.94p / 50p
SD	720 x 480 - 29.97 PsF / 59.94i; 720 x 576 - 25 PsF / 50i Support of 16:9 and 4:3
Channels (simultaneously)	
3G* / HD / SD	12 Recording; 1 / 2 / 3 / 4 Search; 1 Playback
Video Standards SDI	
HD / SD	HD video conforms to SMPTE 292M, SMPTE 274 720p video conforms to SMPTE 296M SD video conforms to SMPTE 259M
3G*	3G video conforms to SMPTE 424M / SMPTE 425M
Interface monitor	4 (via Display Port)
Referee output for broadcast	HD-SDI
Multiviewer	Up to 18 video windows. 2 Layouts Embedded touch screen control
Compression	
Recording	I-Frame DCT Based / AVC-Intra 100 option
Export formats	M2TS; MPEG-4 (*.mp4); H264 (*.mp4); DVD XDCAM 50 (*.mxf) (only for HD)
Internal storage	SSD
Storage capacity	8 TB 84 hrs. Full HD video
Audio Inputs	2 embedded audio channels per video channel (embedders are not included)
Audio Outputs	MB audio output / DP***
Number of workplaces	Up to 2: Referee, 2 Replay Operators, Assistant
Scoreboard Interface ****	Yes / PIP from any camera
Controls	Up to 2 specialized Jog/Shuttle controllers (via RS-232 / RS-485 / USB / Ethernet); Up to 2 specialized keyboards videoReferee®-Keypad; keyboard, mouse
Referee buttons	3: Green (mark events); Red (intercom control); Blue (timer control). Via USB connection
Virtual offside lines	Yes (slomo.tv)
Referee intercom integration	Native Vokkero support with adjustable audio level control
Additionally	Ability to network with slomo.tv servers
Data exchange	10 GbE (Network); USB 3.0; Built-in 3.5" SATA HDD Rack
DMR™ RACK	1
Control from HQ via Internet	Yes

Parameters	<i>videoReferee®-ST</i>
Maximum connections distance	SDI up to 110m; 3G-SDI up to 90m; Control up to 150m; DP up to 5m
Power Consumption	350 W
Power	110V/60Hz or 220V/50Hz Redundant PWR Supply
Chassis	4U, 19"
Dimensions (H x W x L) mm	176.5 x 484 x 560
Weight Kg	19.5

Notes:

* – 3G SDI Level A, Level B support.

** – Shareable.

*** – in some configuration audio out is possible via DP.

**** – Supported: Westerstrand, Nautronic NTpult, Nautronic NAUCON-1000, Bodet, Omega Saturn, Megalux, NatalInfo, Victory, VITA, Araneus-NGLight, EITablo, Stramatel, Colosseo, CEDR, Favero Console-700.

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