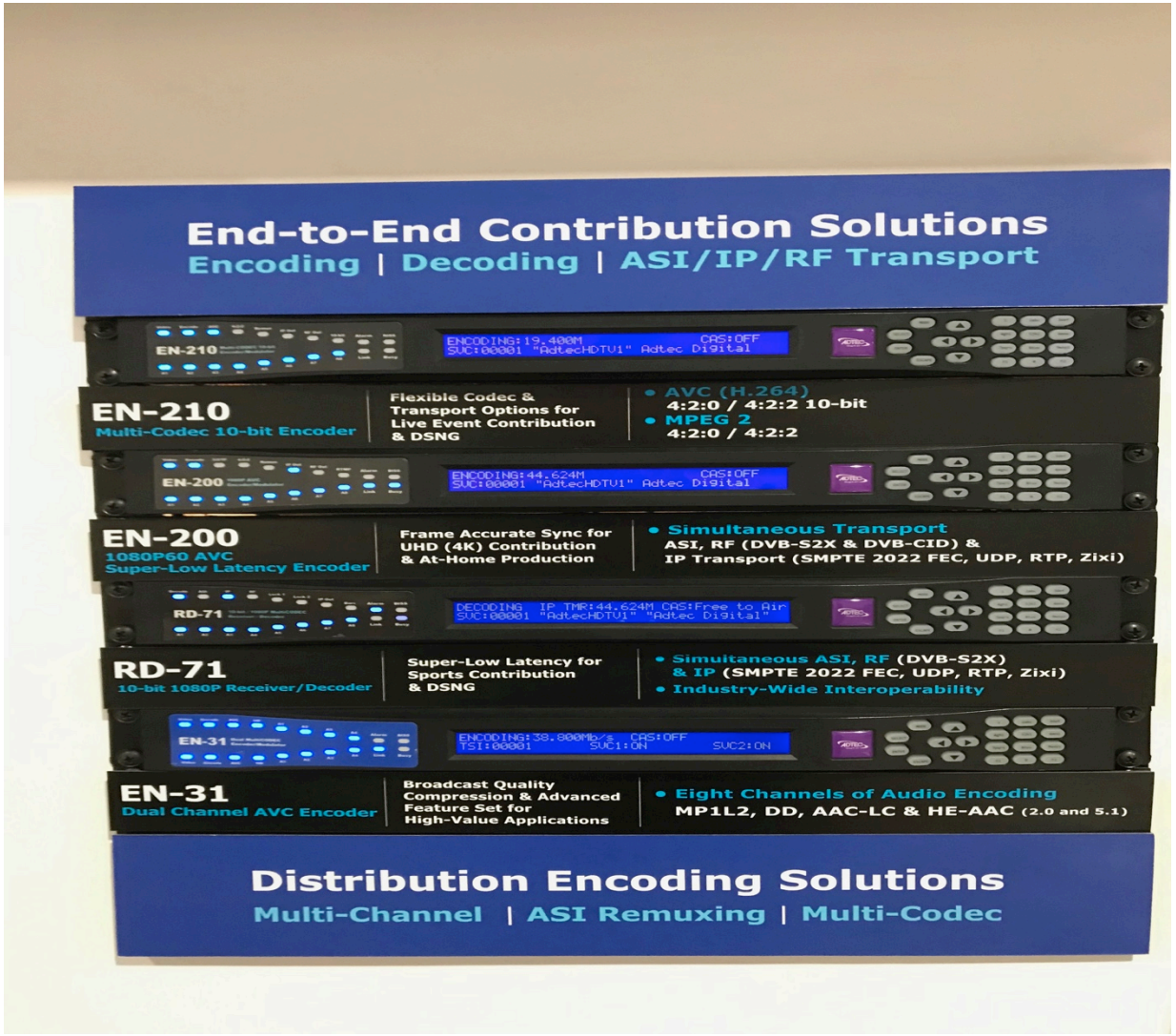
Thank You to the Vendors that provided dinner tonight!

NABSHOW
Where Content Comes to Life

PLANAR
8K LED Video Wall
PLANAR
4K IP KVM
Control Room
Management
ADDER
T4KE
CTRL
ZS-LZZ
ARGOSY
Celebrating 25 years

AdderLink
INFINITY
4000
RECEIVE
RX
ADDER
2
3
1


End-to-End Contribution Solutions
Encoding | Decoding | ASI/IP/RF Transport
EN-210
ENCODING:19.400M CAS:OFF
SUC:00001 "AdtecHDTV1" Adtec Digital
EN-210
Multi-Codec 10-bit Encoder
Flexible Codec & Transport Options for Live Event Contribution & DSNG
AVC (H.264) 4:2:0 / 4:2:2 10-bit
MPEG 2 4:2:0 / 4:2:2
EN-200
ENCODING:44.624M CAS:OFF
SUC:00001 "AdtecHDTV1" Adtec Digital
EN-200
1080P60 AVC Super-Low Latency Encoder
Frame Accurate Sync for UHD (4K) Contribution & At-Home Production
Simultaneous Transport ASI, RF (DVB-S2X & DVB-CID) & IP Transport (SMPTE 2022 FEC, UDP, RTP, Zixi)
RD-71
DECODING IP TMR:44.624M CAS:Free to Air
SUC:00001 "AdtecHDTV1" "Adtec Digital"
RD-71
10-bit 1080P Receiver/Decoder
Super-Low Latency for Sports Contribution & DSNG
Simultaneous ASI, RF (DVB-S2X) & IP (SMPTE 2022 FEC, UDP, RTP, Zixi)
Industry-Wide Interoperability
EN-31
ENCODING:38.800Mb/s CAS:OFF
TSI:00001 SUC1:ON SUC2:ON
EN-31
Dual Channel AVC Encoder
Broadcast Quality Compression & Advanced Feature Set for High-Value Applications
Eight Channels of Audio Encoding MP1L2, DD, AAC-LC & HE-AAC (2.0 and 5.1)
Distribution Encoding Solutions
Multi-Channel | ASI Remuxing | Multi-Codec

AJA
VIDEO SYSTEMS
AJA
AJA Ki Pro Go
1080p 60
HOME
GUEST
08:29
LOT
106
PERIOD 4
BONUS
POSS
BONUS
1:00% 2:00% 3:00% 4:00% 5:85%
10:20:15;04
Ki Pro GO
DISP
STATUS
CONFIG
MEDIA
1
2
3
4
FUNC

Ki Pro | GO
ANALOG AUDIO IN
PUSH
PUSH
+48V
MIC
LINE
+48V
MIC
LINE
REF LOOP
SDI IN
HDMI IN
SDI OUT
MONITOR OUT
CH 1 / L
CH 2 / R
USB 5
MONITOR OUT
HDMI Monitor
SDI Monitor
10/100/1000 LAN
ID
12V - 18V
12V - 18V

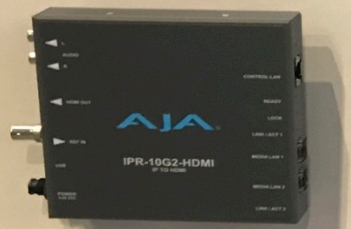
New!

IPT-10G2-HDMI

HDMI Video / Audio to IP
SMPTE ST 2110 Converter, Dual 10GigE Interface

IPR-10G2-HDMI

IP SMPTE ST 2110 Video / Audio
to HDMI Converter, Dual 10 GigE Interface



New!

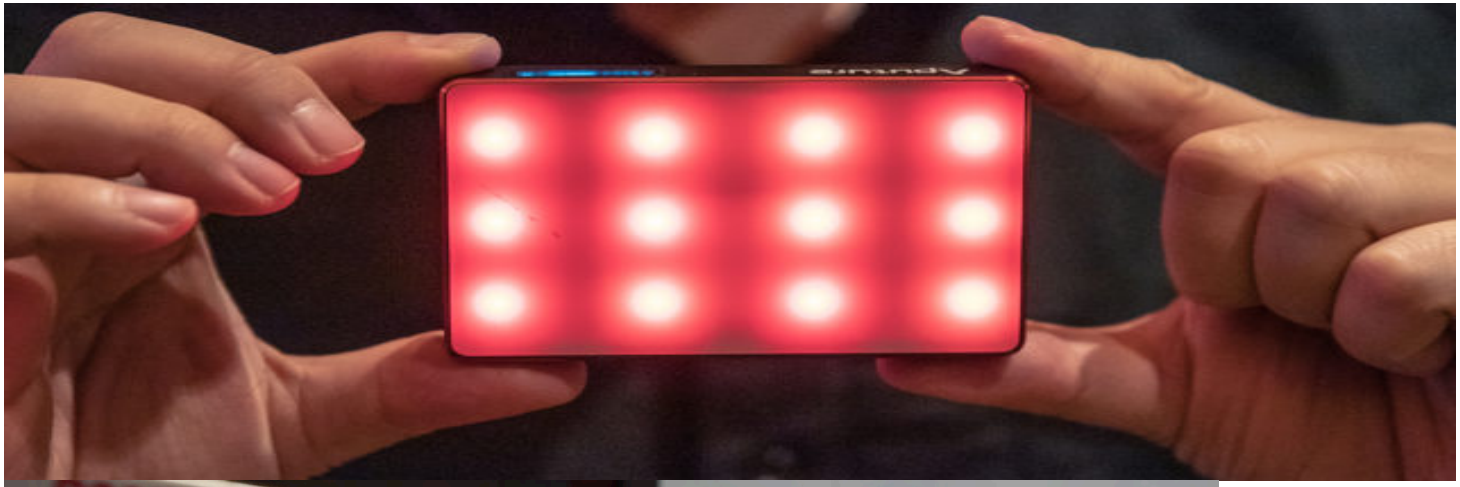
IPT-10G2-SDI

3G-SDI Video / Audio to IP
SMPTE ST 2110 Converter, Dual 10GigE Interface

IPR-10G2-SDI

IP SMPTE 2110 Video / Audio
to SDI Converter, Dual 10 GigE Interface

APANTAC
T# Multiviewer Series
Director Monitor 2
Camera Control
NABSHOW
10:32
Date & Time 2000/06/09 Fri AM 10:32:12



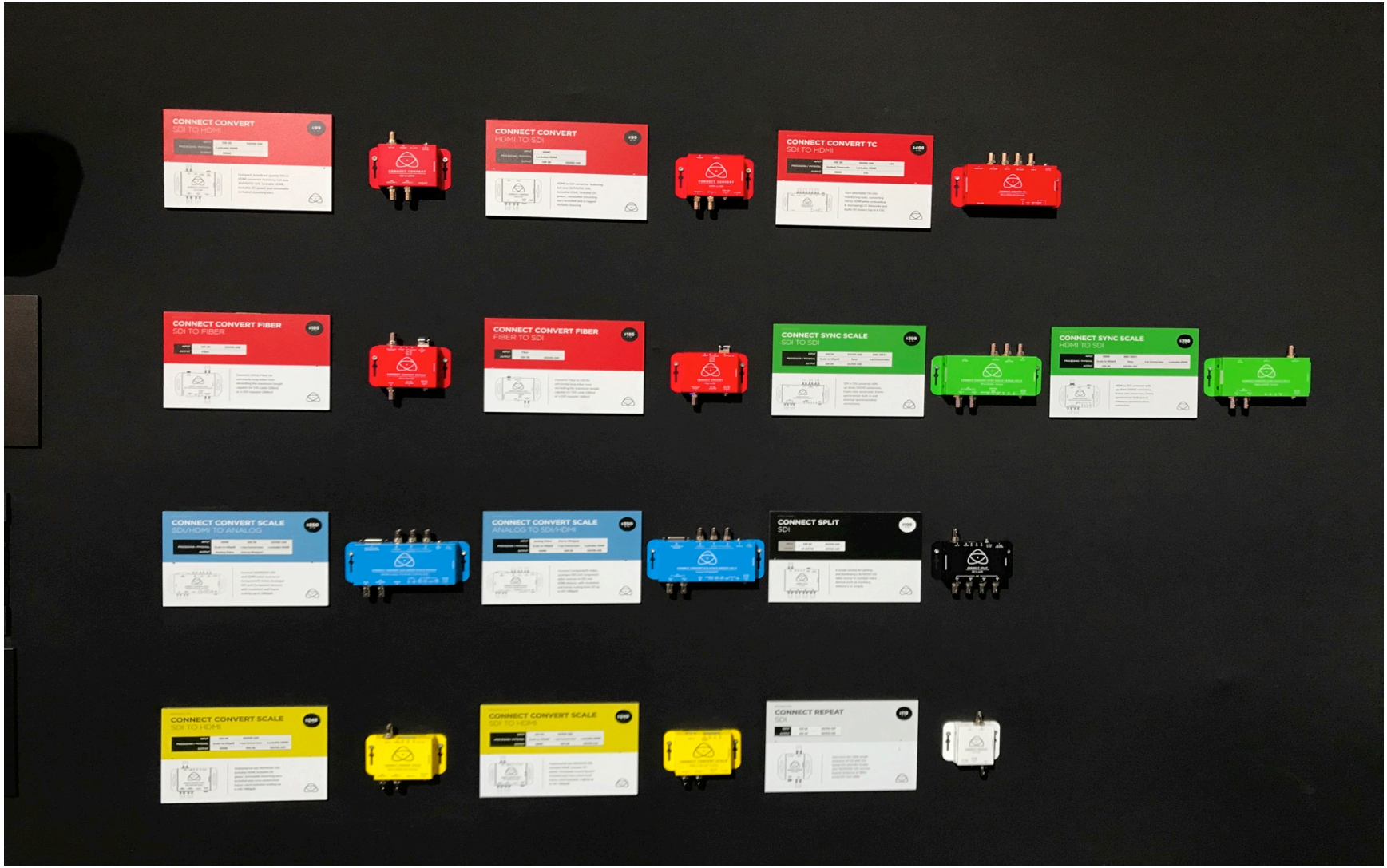
ROSS
Aputure
CONTROLLER
BATTERY
POWER

Artel
SMART Media Delivery Platform™
jabm
DESIGN & INNOVATION AWARDS - 2017
WINNER
BaM
AWARDS 2018
FINALIST
2018 PRODUCT of the YEAR
NABSHOW
NOMINEE
Artel
AIMS
MEMBER
interra systems

EBU
High Densi
Channel in the Cloud
Versatile Playout
MAM – Metadata Management
CM5000_NOC
IRD_1_Boston
IRD_2_Cincinnati
IRD_3_NYC
TITAN
High Density Encoder/Decoder

ATOMOS
ProRes RAW
SHOGUN
7" HDR Pro/Cinema
Monitor-Recorder-Switcher
DOLBY VISION
ProRes RAW
BUT LINEAR RAW LOVES A BRIGHT EXPOS

SHOGUN 7
7" HDR Pro/Cinema Monitor-Recorder-Switcher
For in-the-field pro video & on-set production
SHOGUN INFERNO
7" HDR Pro/Cinema Monitor-Recorder
For in-the-field pro video & on-set production
NINJA V
5" HDR Pro Monitor-Recorder
For in-the-field social & pro video production
SHINOBI SDI
5" HDR Pro Monitor
For in-the-field & on-set pro video production


CONNECT CONVERT
SDI TO HDMI
CONNECT CONVERT
HDMI TO SDI
CONNECT CONVERT TC
SDI TO HDMI
CONNECT CONVERT FIBER
SDI TO FIBER
CONNECT CONVERT FIBER
FIBER TO SDI
CONNECT SYNC SCALE
SDI TO SDI
CONNECT SYNC SCALE
HDMI TO SDI
CONNECT CONVERT SCALE
SDI/HDMI TO ANALOG
CONNECT CONVERT SCALE
ANALOG TO SDI/HDMI
CONNECT SPLIT
SDI
CONNECT CONVERT SCALE
SDI TO HDMI
CONNECT CONVERT SCALE
SDI TO HDMI
CONNECT REPEAT
SDI

AVIWEST
Shaping tomorrow's live video
Live Video Solutions.
#Remote Production
#Content Distribution
#In the Field,
on Air
abm
Member

MASTERS OF NETWORKING
All New
Professional Grade
2.4 GHz Digital
Wireless Microphone
PRO-XR
eXtremely Robust
eXtremely Reliable
• High quality digital audio
• Not reliant on line-of-sight
• Robust transmission in congested WiFi areas
• Max range of 350 feet or better (ideal conditions)
• Includes smartphone mount and cable adapters for mobile
• Rechargeable lithium-ion batteries
AZDEN
ING SUMMER 2019
azden.com

8K
Preview
Program
Camera 1
Camera 2
Camera 3
Camera 4
Camera 5
Camera 6
Camera 7
SuperSource

8K INPUTS
8K OUTPUTS
MADI OUT
TALKBACK
MADI IN
CONTROL
REMOTE
USB
REF IN
SDI INPUTS
SDI OUTPUTS
MULTIVIEW
ANALOG AUDIO
DELL
Blackmagic design
Master
PROD TALK
ENG TALK
CALL
PGM MIX
8K
12G SDI
01:00:32:18
01:01:49:48
01:00:49:07
01:01:44:25
00:00:00:00

BRIDGE TECHN LOGIES
IP SHOWCASE
REAL-TIME MEDIA
IP Showcase PARTICIPANT
NABSHOW
Central Hall
C12634
Bridge Technologies
AIMS
MEMBER
iabm
Member
BRIDGE TECHNOLOGIES
NRK1 MCR Marienlyst
NRK2 MCR Marienlyst
OSLO GMT-1
ALGERIA ASTRA Tolouse
HEADEND STATUS
NOMAD Video via VB288
NRK2 via extractor (IPTV)
NRK2 via VB330 2 (IPTV)
NRK2 via VB330 2 (IPTV)
Nomad via extractor (IPTV)
Nomad via VB220-1 (IPTV)
Nomad via VB220-1 (IPTV)

CINEFLEX
INCLINE DYNAMICS

photo & vid
photo & vid

CANON WELCOMES YOU TO
THE 2019 NAB SHOW
@CanonUSApro
@CanonUSAprovideo
UHD BROADCAST LENS FAMILY

CINEMA UNLEASH
IMAGING
Canon
IMAGE STABILIZER
4K
UHD DIGISUPER 122
UJ122×8.2B 8.2-1000mm 1:1.7
SONY
#8
SONY
Vinten
Vector 75

SOUND DEVICES
PELICAN
Canon
IMAGE STABILIZER
4K
UHD DIGISUPER 111
UJ111×8.3B 8.3-925mm 1:1.7
POWER LOW
IRIS
ZOOM
EXT.
INDICATOR
bezel

TVlogic
2/3-INCH LONG ZOOM
4K UHD REMOTE CONTROL
ROKINON
Canon
IMAGE STABILIZER
4K
UHD DIGISUPER 66
UJ66×9B 9-600mm 1:1.7

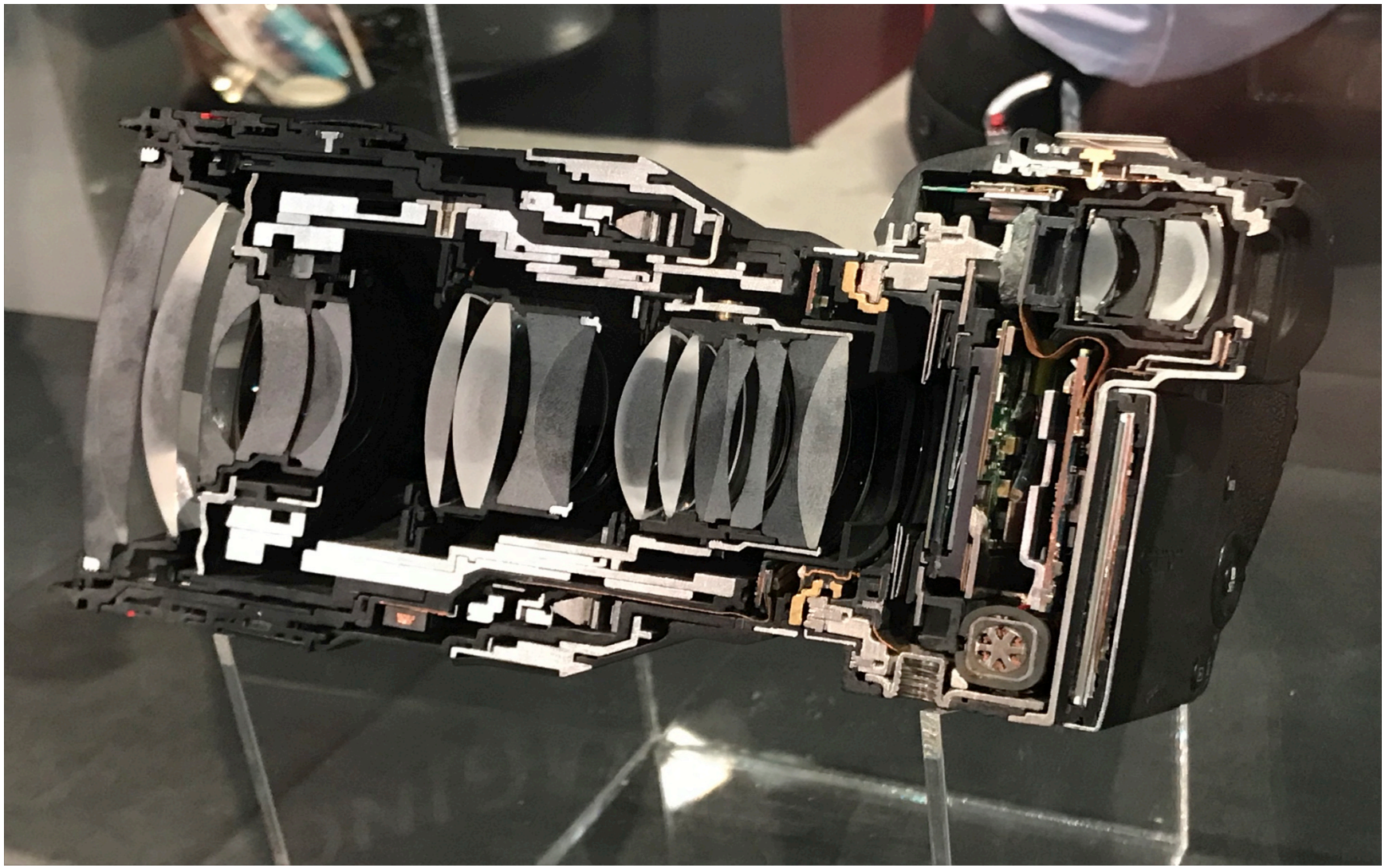
Sumire Prime
CANON'S FIRST PL MOUNT PRIME LENS
EOS C700 FF PL | NEW Sumire Prime 50mm T1.3

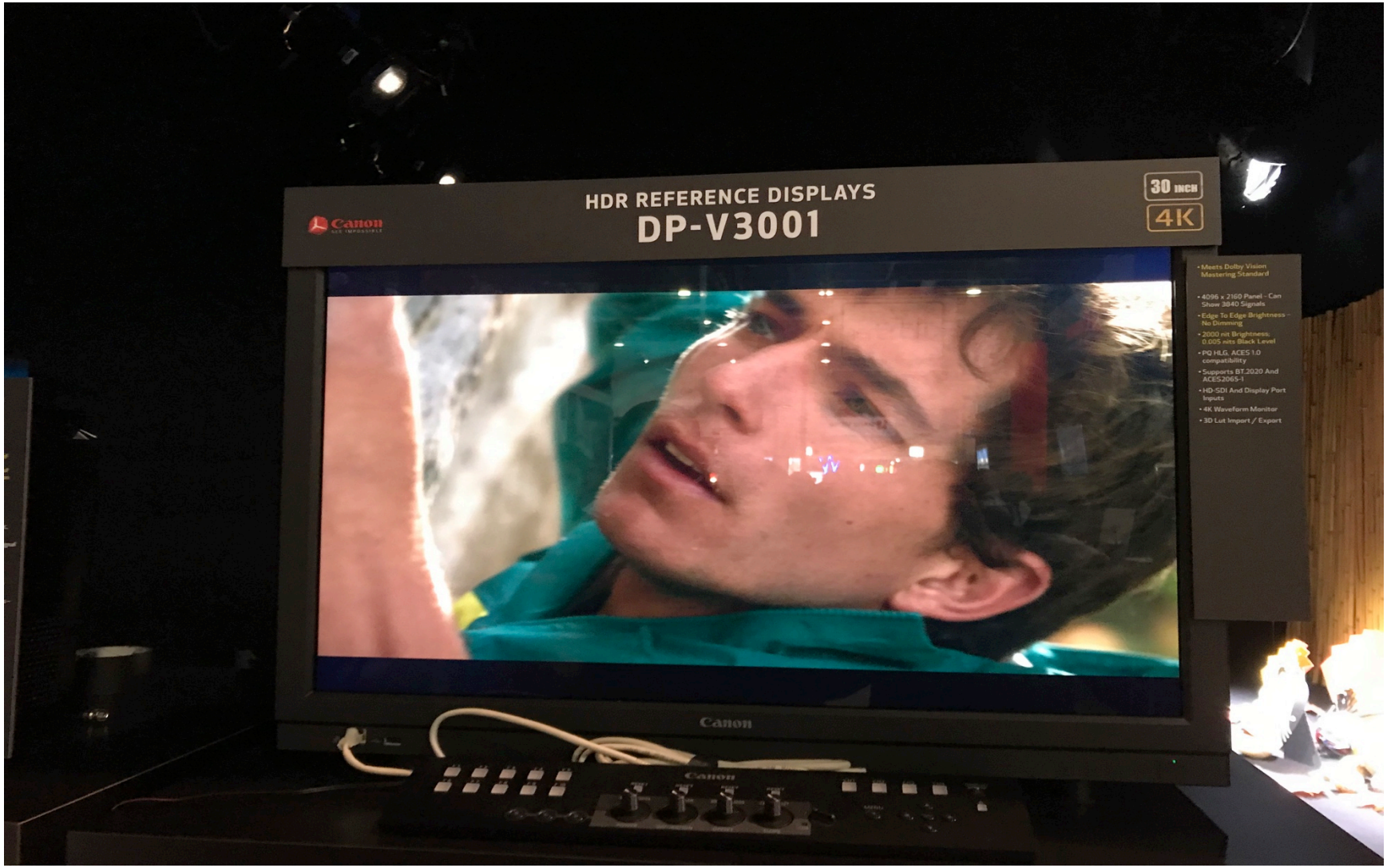
ME200S-SH
DIGITAL CINEMA CAMERA

boland
Canon
POWER
ON/OFF
USER
ALT
TC
PLAY
REC
HOME
MENU
BACK
INFO
SELECT/
SET
EOS
C700
C
CUSTOM
PUSH
AUTO IRIS
MAGN
PEAKING
FALSE COLOR
29.97
180.00°
4000

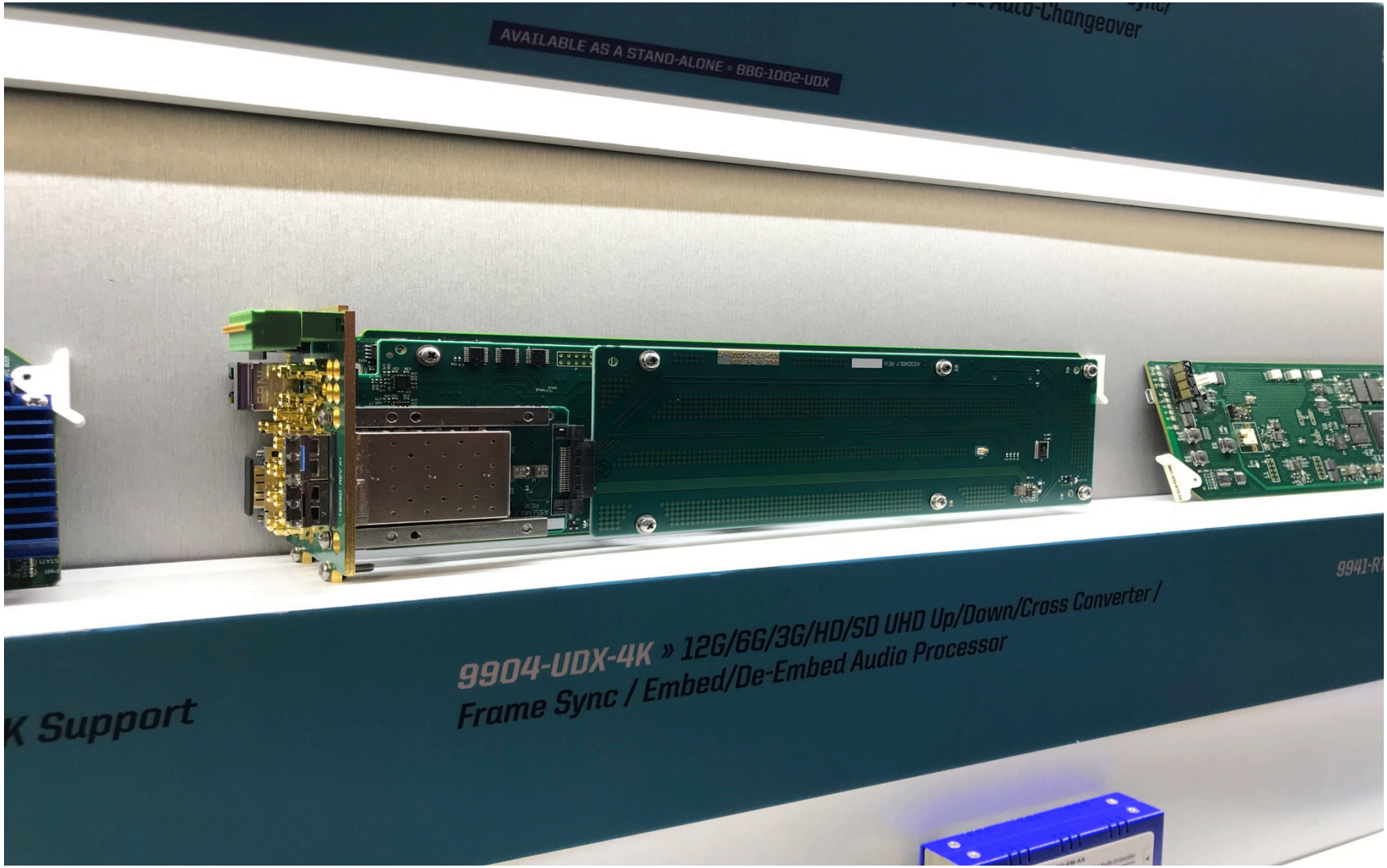
Samy's
CinemaWorks
AN ALL-NEW CLASS OF LENSES
FOR AN ALL-NEW LOOK
EOS R System
EOS R SYSTEM

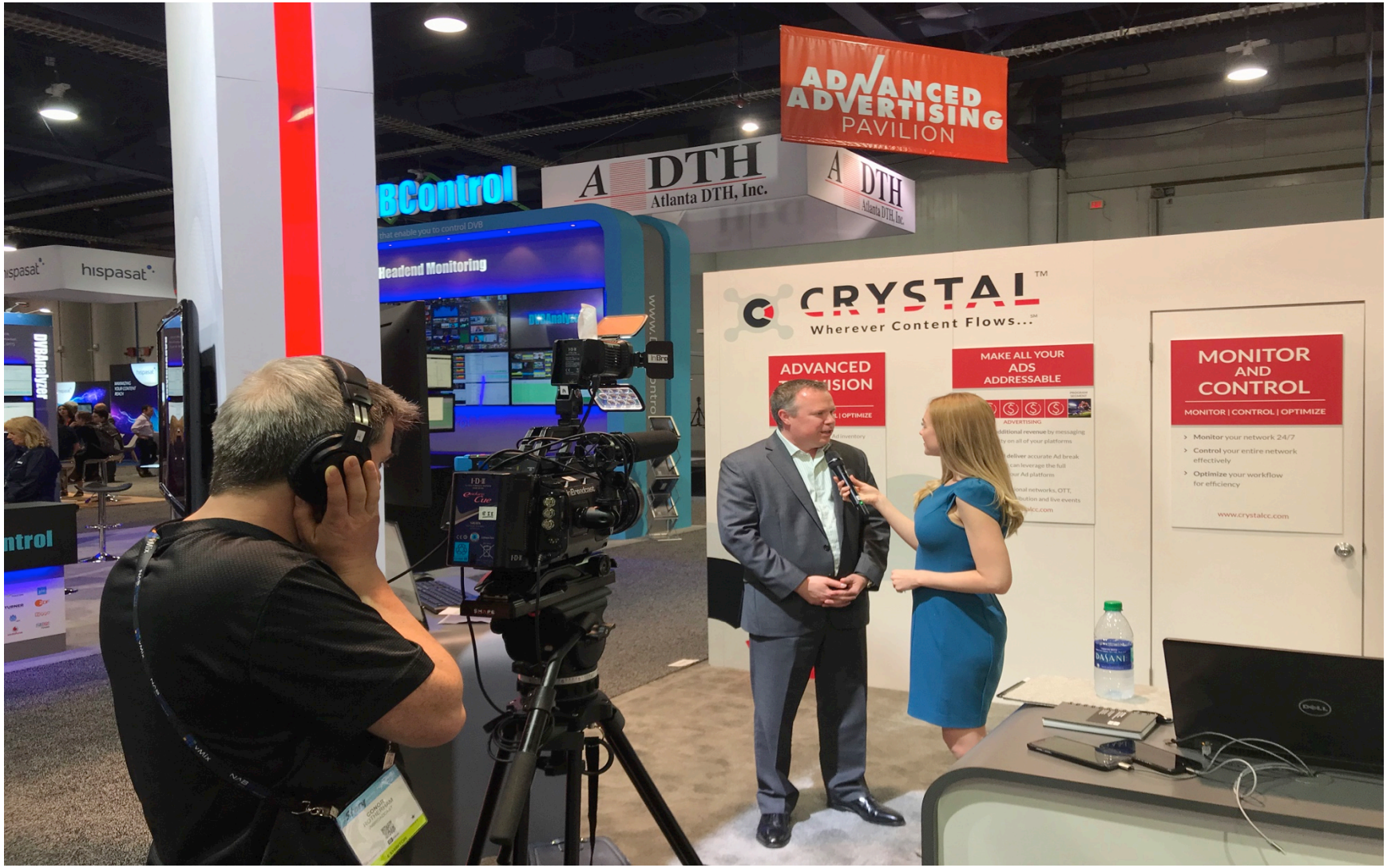
RF 70-200mm
F2.8 L IS USM
(Development Announced)
RF 15-35m
F2.8 L IS US
(Development Anno




HDR REFERENCE DISPLAYS
DP-V3001
30 INCH
4K
Canon
• Meets Dolby Vision Mastering Standard
• 4096 x 2160 Panel - Can Show 3840 Signals
• Edge To Edge Brightness - No Dimming
• 2000 nit Brightness, 0.005 nits Black Level
• PQ HLG, ACES 1.0 compatibility
• Supports BT.2020 And ACES2065-1
• HD-SDI And Display Port Inputs
• 4K Waveform Monitor
• 3D Lut Import / Export

4K MULTIVIEW
Preview
Program
QUAD 1
QUAD 2
QUAD 3
QUAD 4
ONE STOP BROADCAST COMPLIANCE
SRC 1
SRC 2
SRC 3
SRC 4
SRC 5
SRC 6
SRC 7
SRC 8
SRC 9
SRC 10
SRC 11
SRC 12
SONY


AVAILABLE AS A STAND-ALONE = BBG-1002-UDX
9904-UDX-4K » 12G/6G/3G/HD/SD UHD Up/Down/Cross Converter /
Frame Sync / Embed/De-Embed Audio Processor

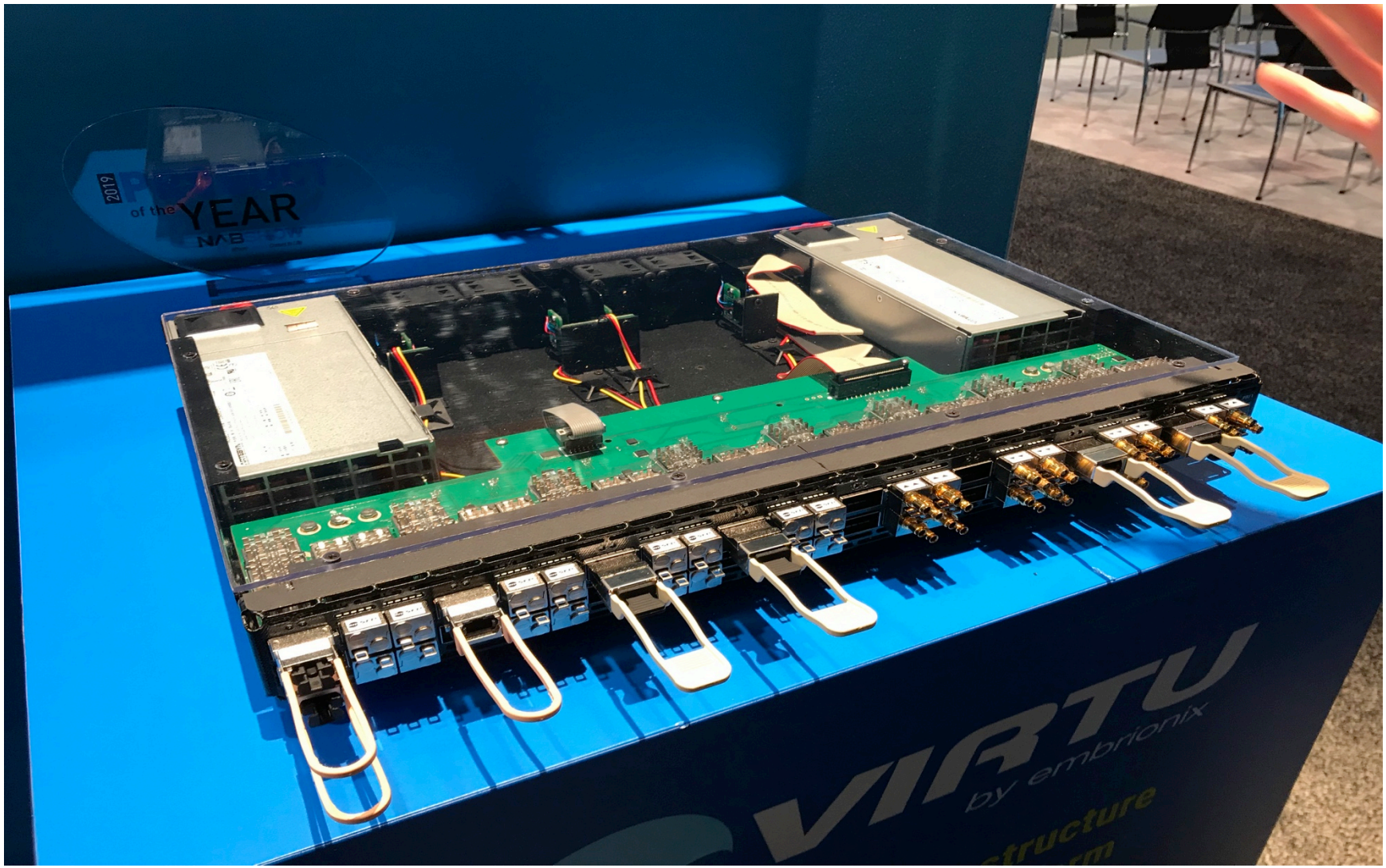

ADVANCED ADVERTISING PAVILION
A DTH
Atlanta DTH, Inc.
BControl
Headend Monitoring
hispasat
CRYSTAL
Wherever Content Flows...
MAKE ALL YOUR ADS ADDRESSABLE
MONITOR AND CONTROL
MONITOR | CONTROL | OPTIMIZE
Monitor your network 24/7
Control your entire network effectively
Optimize your workflow for efficiency
www.crystalcc.com

DECIMATOR
DESIGN
SAMSUNG
amagi
amagi
SAMSUNG
SU4500-
SU4800
DECIMATOR
DESIGN
DMON-QUAD
SRP $295
DMON-6S
SRP $595
DECIMATOR
DESIGN

MECUM AUCTIONS
LOT F124
KISSIMMEE 2019
1967 SHELBY GT500 SUPER SNAKE
$1,100,000
RESERVE OFF

ADAM
NABSHOW
E2 work
Solution

4K UHD


2019
of the YEAR
NAB
VIRTU
by embrionix

IP SIGNALS
EMBRIONIX - 1
EMBRIONIX - 2
EMBRIONIX - 5
EMBRIONIX - 6
EMBRIONIX - 3
EMBRIONIX - 4
EMBRIONIX - 7
EMBRIONIX - 8
EMBRIONIX - 9
EMBRIONIX - 10
Embrionix-13
EMBRIONIX - 14
EMBRIONIX - 11
EMBRIONIX - 12
EMBRIONIX - 15
EMBRIONIX - 16
LG

JT-NM
TESTED
SMPTE
ST 2110
Panasonic
CAMERA / GROUP SELECTION
CAMERA GROUP
SELECT
PAN
TILT
ZOOM
FOCUS
SPEED
AUTO
OTAF
ENABLE
USER 5
USER 6

evertz
THE COMPLETE SOLUTION PROVIDER
SDVN
Software Defined Video Networking
IP Here & Now
Over 400+ installs and counting
Orchestration
Operational UI
Monitoring
Analysis
Cloud Services
AVUE

vMix
Story
STUART
AKAM

vMix
NAB SHOW
everlz
EXHIBITOR

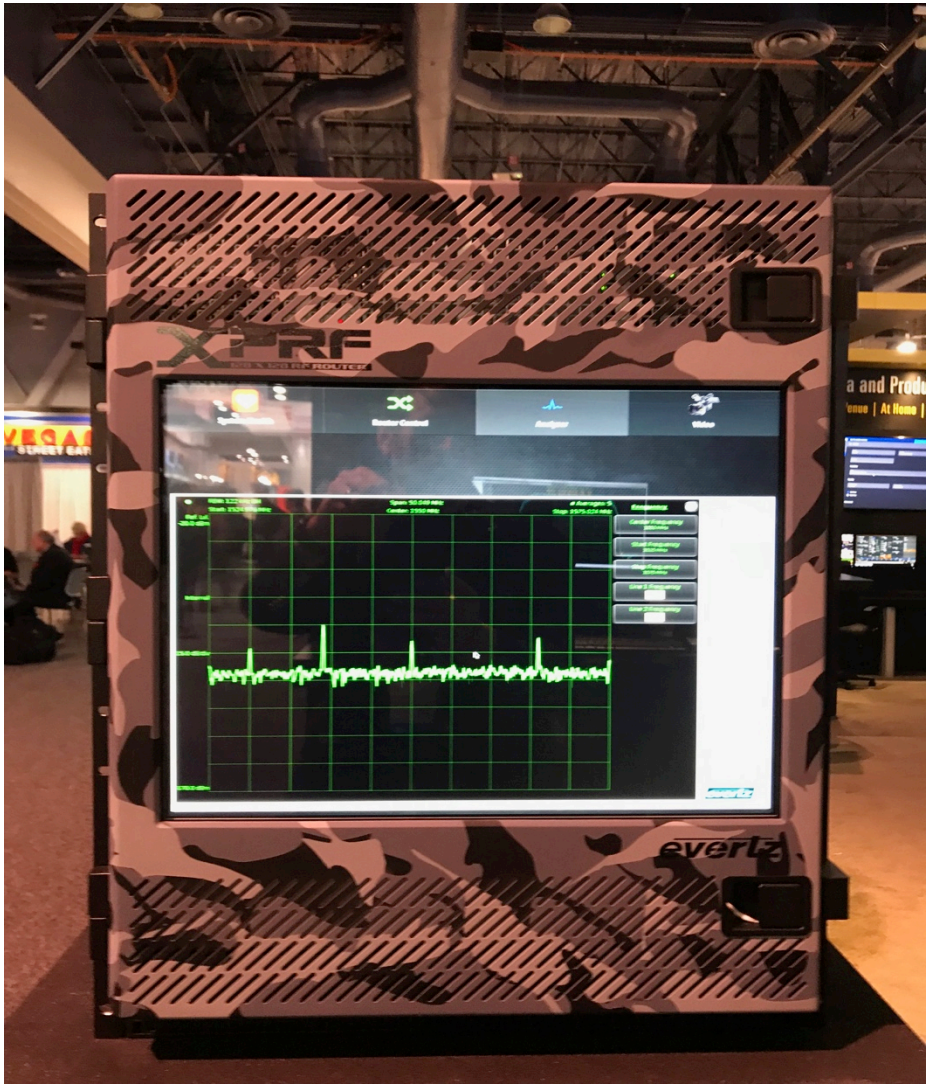
icroservices | Software Defined
evertz
evEDGE 2019
evertz
1080i/59.94
1080i/59.94
1080i/59.94
Source 1
Source 2
Source 3
Source 4
5251/59.94
1080i/59.94
VPROC
UDX
IP-DELAY
VPROC<-->IP-DLY
CORPION
eVEDGE
MIO-BLADE

/HD/SD
3067VIP10G-3G-HW
1080i/59.94
US West
1080i/59.94
US East
1080i/59.94
1080i/59.94
720p/59.94
Freestyle TV
1080i/59.94
Roller Coaster
1080i/59.94
SCTE104 GPI 1
SCTE104 GPI 2
SCTE104 GPI 3
SCTE104 GPI 4
SCTE104 GPI 5
SCTE104 GPI 6
Production Timers:
Count Up:
15:47:45
Count Down:
00:13:40
Continuous:
15:47:34
Count up:
15:47:15
Pacific
10:49:08
Central
12:49:08
Eastern
13:49:08
4K
3067VIP10G-3G-HW-CXP

PACIFIC FEEDS
GOLD CAM 1
GOLD CAM 2
GOLD CAM 3
GOLD CAM 4
GOLD CAM 5
GOLD CAM 6
01:31:57
VUE
VUEAPPS
VUEAPPS
VUEAPPS
ENGINEERING
PREVIEW
PROGRAM
18:07:20 07:51:10
COUNT-UP
COUNT DOWN
TAKE
100
100

The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

Live Media and Production So
DreamCatcher 8K / 4K Replay | HDR | HFR


XPRF
everlz

DreamCatcher 8K / 4K Display | HDR | HFR
Media and Production Solutions
VEGAS
XRF4
SYSTEM HEALTH
ROUTER CONTROL
ANALYZER
evertz
XRF4

This is the song lyrics
MV-4200
HVS-490

Flanders Scientific Inc.
FSI
MEDIAPRO
Professional Reference Monitors and Color Management Devices
Flanders Scientific Inc.

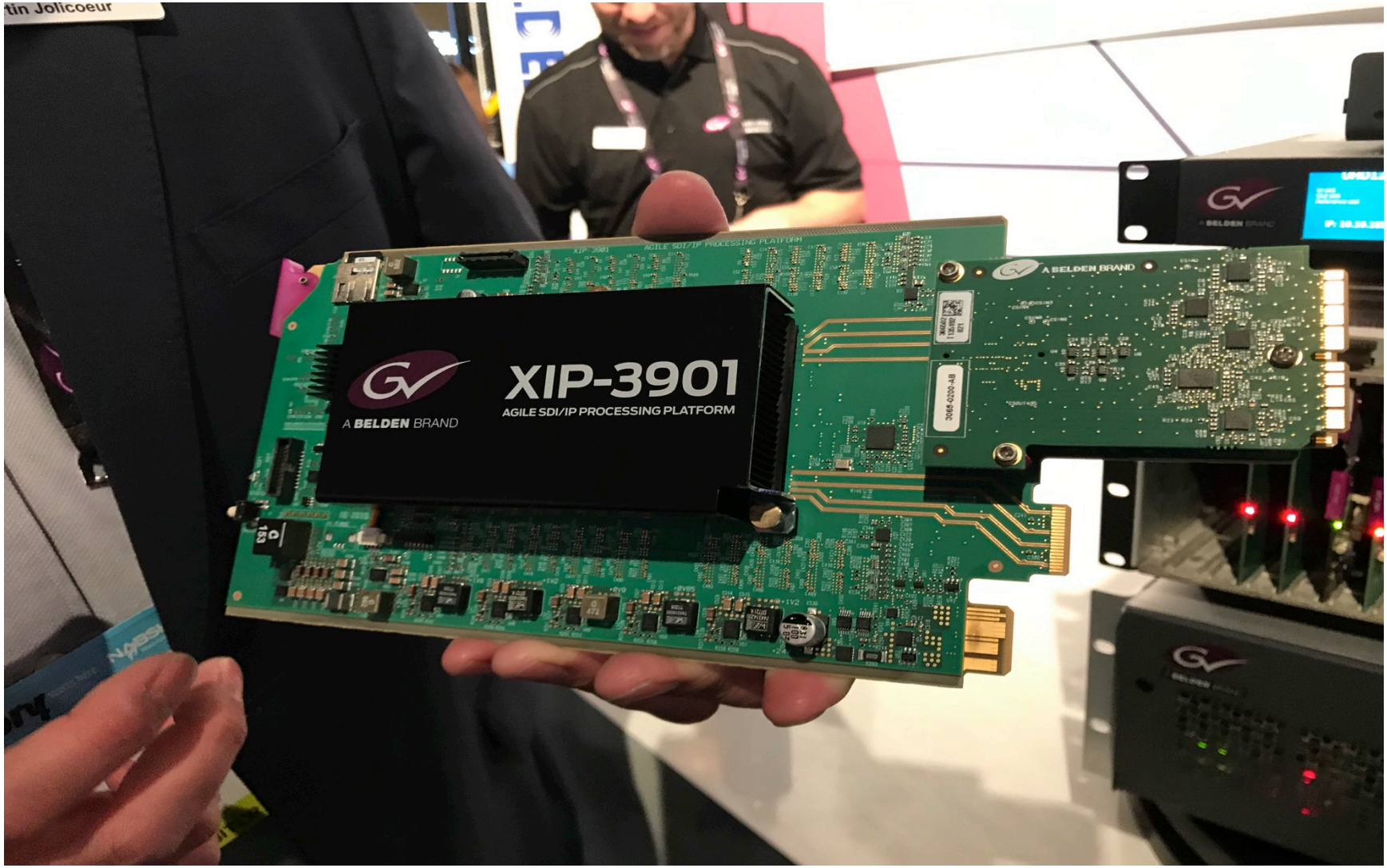
GeFei
NO.SL10821
LEADING IP SOLUTIONS
UHD MULTI-VIEWER
HD& IP HYBRID MULTI-VIEWER
IP CONTROL&MONITORING
ST2110 IP GATEWAY
DES 17:00:00
DWN 10:14:12
AIMS

GENELEC
GENELEC

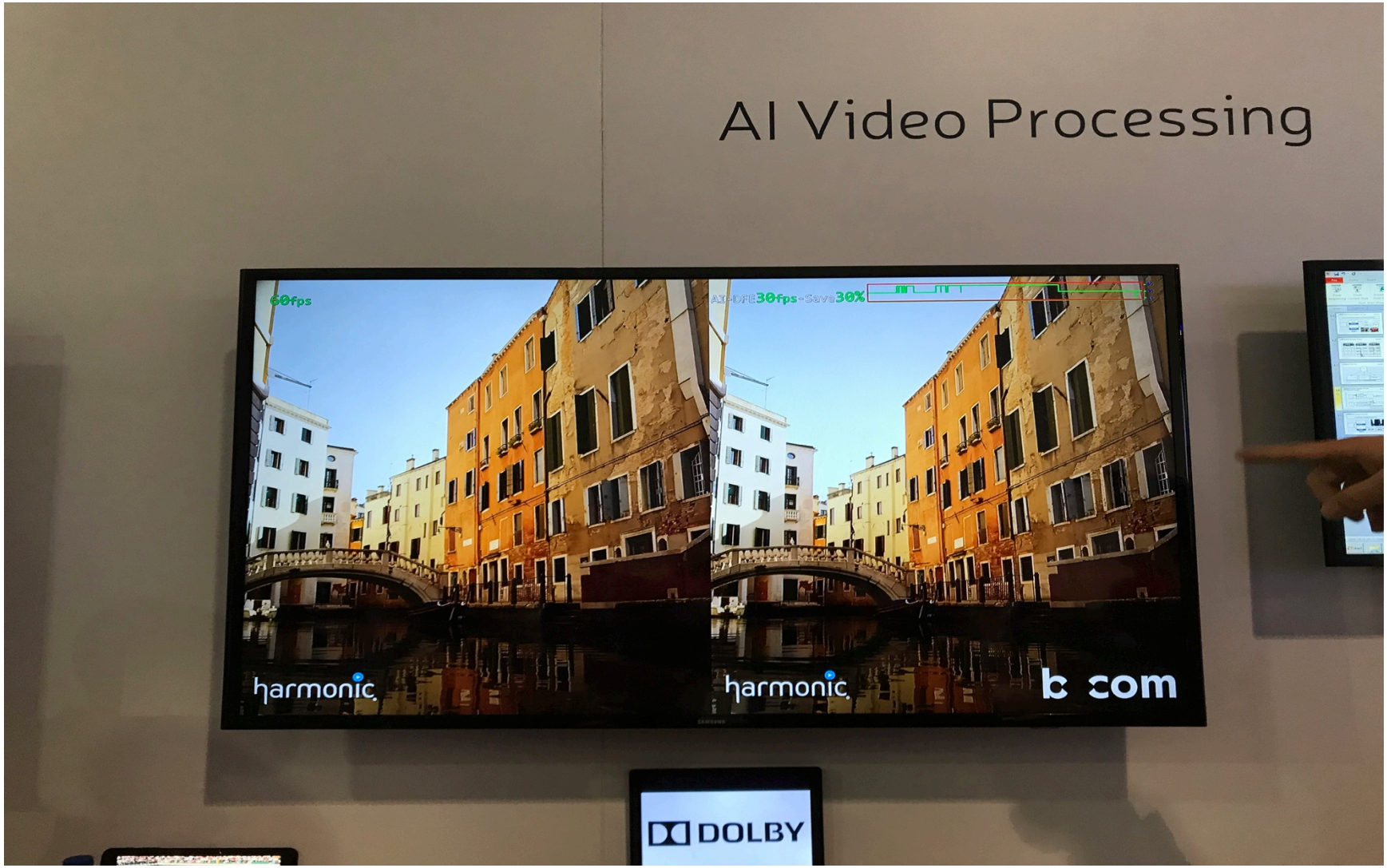
GoPro
Shaky video is dead.
HERO 7 BLACK
RDL
Design Labs
Troy Lee Designs

IP Workflows
End-to-end IP made easy
Integrated IP Routing
GV Convergent • GV Fabric
Convert, Delay, Sync, Process, HDR-SDR
Densité • Alchemist • KudosPro • IQ
SDR Monitor
HLG HDR Monitor
4K UHD IP to HDMI Converter
IPVU
MV-8xx Updates
MV-8xx V3.0 (Q1 2019)

BELDEN
SDR/HDR support with customizable 'look-up tables'
All signal types covered - single or quad-link, coax or fiber
KUDOS PRO


XIP-3901
AGILE SDI/IP PROCESSING PLATFORM
A BELDEN BRAND

grass valley
A BELDEN BRAND
MANAGEMENT
1
MONITOR OUT
2
ABELDEN BRAND
IPVU
IP MONITORING GATEWAY
2
MEDIA
1
STATUS

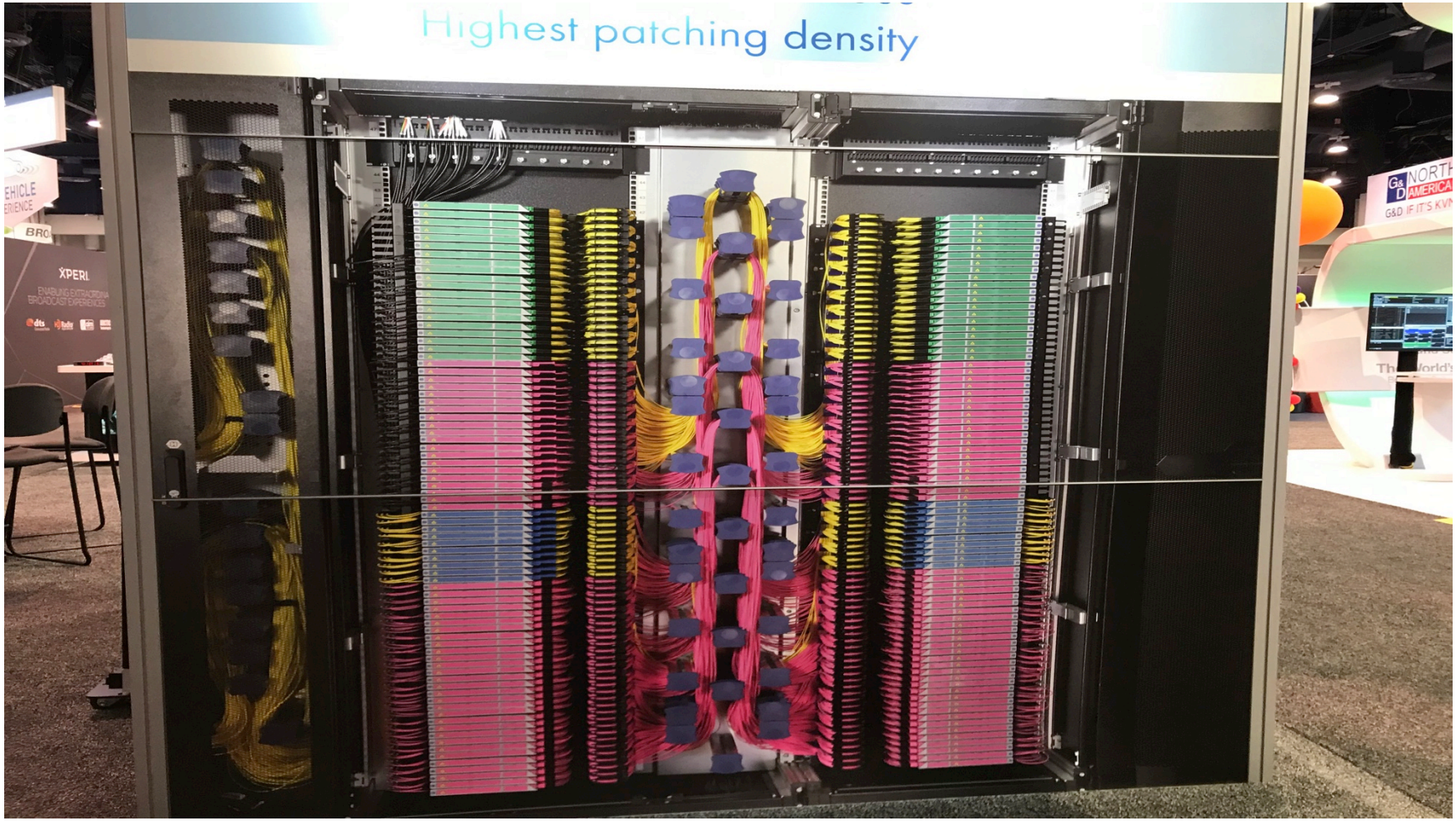

AI Video Processing
60fps
harmonic
AI-DFE30fps-Save30%
harmonic
b com
DOLBY

harmonic
Dynamic Resolution Encoding
Dynamic Frame rate Encoding
Story
ROB KOENEN
TILECMEDIA
MANUFACTURER REP
Story
XAVIER DUCLOUX
HARMONIC INC.
EXHIBITOR

Canon
IMAGE STABILIZER
4K
UHD DIGISUPER 90
HITACHI
4K ULTRA HD CAMERA
SA-1000
HITACHI
SK-UHD4000
4K
Ultra-HD Studio and Field Production Camera

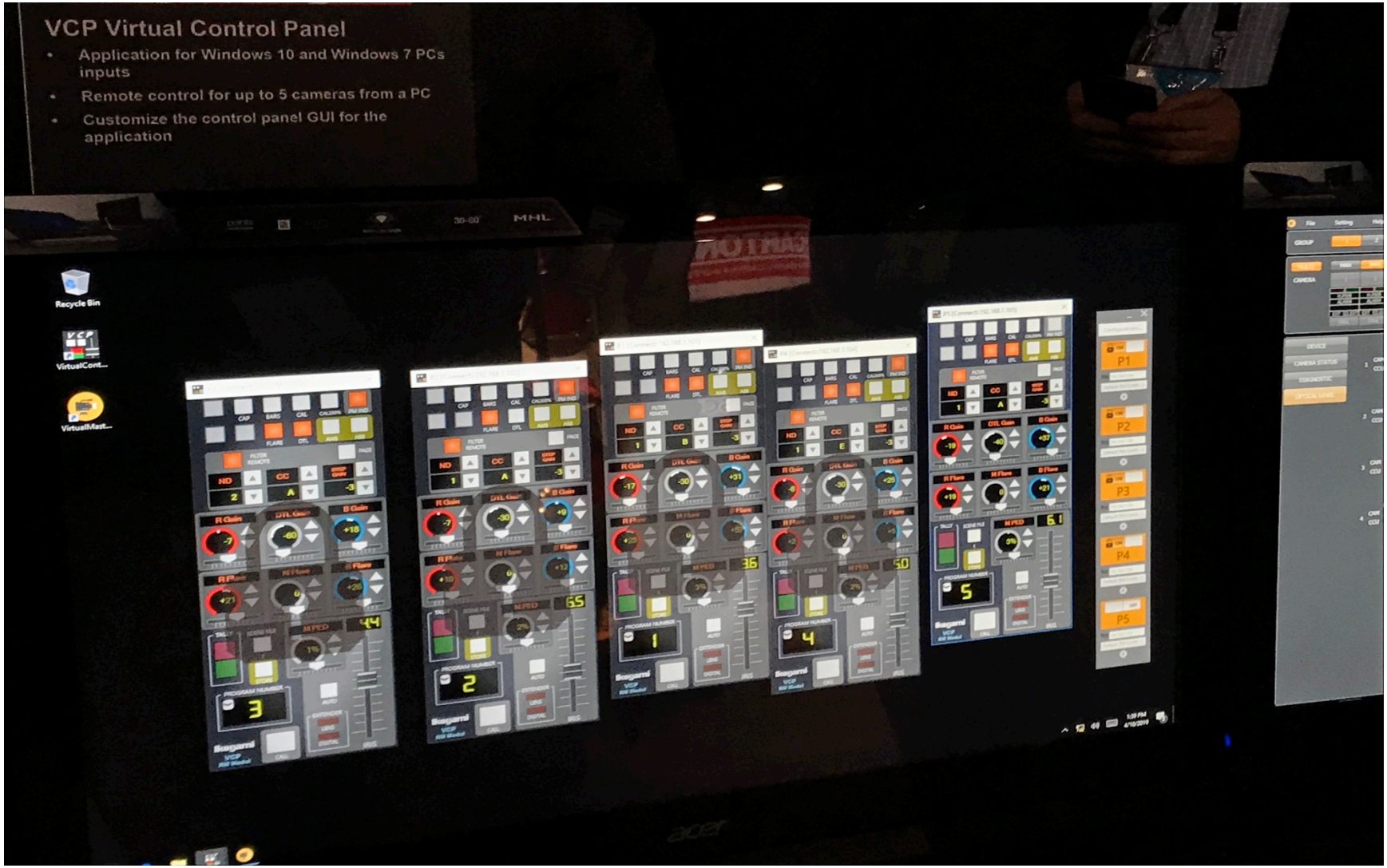
HITACHI
HD CAMERA CONTROL UNIT
CAM POWER
CCU STATUS
CABLE CHECK
CABLE CONDITION
TALLY
CCU POWER
ON
OFF
CALL
INTERCOM
PRIVATE
TALK
LEVEL
COMM
HD SDI
HITACHI
HD CAMERA CONTROL UNIT
CAM POWER
CCU STATUS
CABLE CHECK
CABLE CONDITION
TALLY
CCU POWER
ON
OFF
CALL
INTERCOM
PRIVATE
TALK
LEVEL
COMM
HD SDI
HITACHI
HD CAMERA CONTROL UNIT
CAM POWER
CCU POWER
ON
OFF
CALL
INTERCOM
PRIVATE
TALK
LEVEL
COMM
HD SDI
HKA ASSET
CU-HD1300P-U S1 S/N 17X0017T

Subnet : 255.255.255.0
Static
MatchBox-Glass
L C Ls GLITS
R LFE Rs LR
AVTiming
Early (-) Audio (+) Late
(ms)
Coherence
(samples)
Camera
Subnet
Static


Highest patching density

BAVARIA
HDR

NEW
Leader
LV5600


VCP Virtual Control Panel
• Application for Windows 10 and Windows 7 PCs inputs
• Remote control for up to 5 cameras from a PC
• Customize the control panel GUI for the application
Recycle Bin
VirtualCont...
VirtualMast...
P1
P2
P3
P4
P5
acer

Ikegami
RM-51A
MENU SET
SCENE FILE
MENU >hold
PANEL ENABLE
GAIN
ND
CC
CAP
BARS
AWB
ABB
MENU
NAVIGATE
A.KNEE
GAIN
DETAIL
PED
M.PED
TALLY
CLR
AUTO
IRIS
KNOB FREE
RELATIVE
ALARM
HEAD PWR
LENS EXT

FUJIFILM
Ikegami
UP
DOWN
MENU
Canon
4K
12x 4.3
POWER ON
ALARM
DV 12 SB

Ikegami
HDL-23
HD

Ikegami
8K
24-180
FUJINON
oconnor

HQLM-3125X 31-inch 4K/HDR Monitor
• 31.1 inch 4096x2160 pixel 10-bit resolution panel
• LED backlit LCD with wide critical viewing angle
• 4k input - Quad 3G and 12G, also 3G/HD SDI and HDMI inputs
• HDR Support for HLG and PQ transfer curves
• Wide Color Gamut
• High Contrast Ratio: 1 million:1
• Maximum Brightness: 1000 nits

inetsat
Distribution
Use Inetsat as an alternative to Satellite to distribute your TV channel
Localization
Localize advertisement, replace content and overlay graphics to increase your revenues and meet licensing or regulatory requirements
Playout
Use Inetsat's powerful, flexible and cost effective platform instead of a traditional playout chain
TRADITIONAL VS. INETSAT
Storage
Playout
Subtitling
Graphics
Encoding
POLAND
IRELAND
FRANCE
SPAIN
ITALY
NORWAY
GREECE
10x

Mobile TV Group
45
Gerling and Associates INC.
MET 360 STUDIO
HOME OF "NAB SHOW LIVE"
PRODUCED IN PARTNERSHIP WITH BROADCAST ENGINEERING
ELECTRONICS RESEARCH INC.
TEXAS
150B-341

Mobile TV Group
10:25:16
back of GVG K-Frame X IP Switcher

Mobile TV Group
Mobile TV Group

Mobile TV Group
SONY

Rub Rails
Only available from
Gerling and Associates Inc.
We Understand Remote Television
TECHNICAL
ENVIRONMENTAL
TECH MAIN
ENVIRO MAIN
DANGER
HIGH VOLTAGE
WARNING
VMU TIE LINES
STRIKE LIGHTS

DISTRIBUTOR
MUX PACK SERIES
Joseph ELECTRONICS
Digital Fiber Transport Series
JFS
FIBER A GROUP
FIBER B GROUP
SLOT 1
SLOT 2
SLOT 3
SLOT 4
SLOT 5
SLOT 6
RED COLOR FACE INDICATES TRANSMIT
BLUE COLOR FACE INDICATES RECEIVE

STUDIO TECHNOLOGIES
www.studio-tech.com
MODEL 391
DANTE ALERTING UNIT
MODE
AUDIO ALERT
LEVEL
STATUS
CH 1
CH 2
CH 3
CH 4
studio-tech.com
MODEL 374A INTERCOM BELTPACK
MUX-2000
PORTS STATUS
FIBER STATUS
MAIN
BACKUP

ViewZ
joseph ELECTRONICS Digital Fiber EXP Series Transport
joseph ELECTRONICS Shadow Box
joseph ELECTRONICS Booth Caddie M
joseph ELECTRONICS Digital Fiber EXP Series Transport
Fiber Optic Sol
Bluebell
BN365T/L 12G-SDI Optical Transmitter
Bluebell
Bluebell
BB450R-IP Network Edge
1
2
3
4
5
6
7
8
3G-SDI Output
NETWORK MONITORING CARD
Bluebell
BC-160I
PS100i
POWER OK
PS100i
POWER OK
Bluebell
Slot 1 - SFP 1
Optic Power
Bluebell
BC-160I

MILLER
SHAPE
RDL
MANIOS DIGITAL. EXCLUSIVE
CARTONI
SUPPORTS YOUR VISION
VMIX
PRACTILITE
802
Weatherproof 3-IN-1 Power Panel
Bi-Color 3000K - 6000K
Smart Remote
KINOTEHNIK

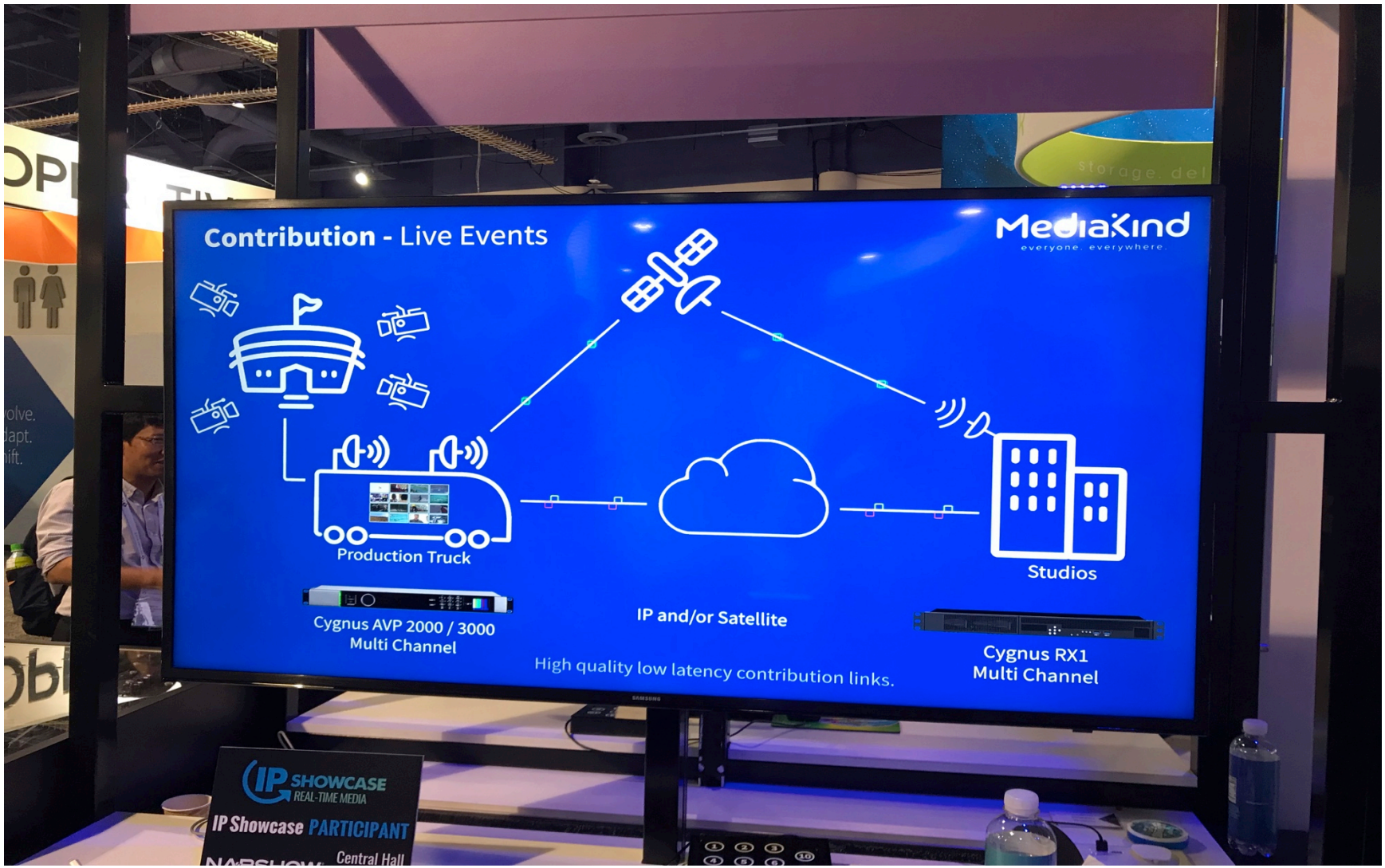
LEYARD
PLANAR
8K LED Video Wall
WORLD GAMES XIX
LIVE
24 BREAKING NEWS
NEWS SCANDAL UNFOLDS
BREAKING NEWS
AND ECONOMIC NEWS WITH THE NATIONS NUMB
24 LIVE
24 HOURS
3:20 PM PT
8K ULTRA HD
Powered By 7th Sense

On-Camera LED Video Wall Solutions
Leyard® TVF Series
Front-Service Fine Pitch LED Video Wall
LIVE
ISLAND ERUPTION
AREA EVACUATIONS UNDERWAY
1.2mm

Marshall
CV380-CS

Marshall
CV-RCP-V2

EVC MediaKind
everyone. everywhere.
ation Team
Source
AV1 (aomenc-1.0) @ 3.8Mbps
HEVC (HM-16.
VVC (VTM-4.0) @ 3.8M
MediaKind


Contribution - Live Events
MediaKind
everyone. everywhere.
Production Truck
Studios
Cygnus AVP 2000 / 3000
Multi Channel
IP and/or Satellite
Cygnus RX1
Multi Channel
High quality low latency contribution links.
IP SHOWCASE
REAL-TIME MEDIA
IP Showcase PARTICIPANT
Central Hall

Mission Critical
WAN IP Transport
Solutions
MammothHD 4K+ Footage Library
Source
JPEG 2000 ULL
100G

IP TRANSPORT AND BEYOND
SU3324
Equipment Demonstration
Mission Critical WAN IP Transport Solutions
10G Hitless Triple Play Switching (Data, Video, Audio)
MDP SERIES
Source
Step change, remote IP-based

nevion
Nevion Virtuoso
Nevion VideoIPath

71.6%
TriCaster
72.2%
SONIC

SHURE
NIKON STUDIO
POWERED BY POLYCAM CHAT
5-axis image sensor shift VR
For stable hand-held shooting
POLYCAM
TRACK / FOLLOW / CAPTURE

MultiDyne
CLARK
WIRE & CABLE
WWW.CLARKWIRE.COM
Zseries™
POWERFULLY CINEMATIC
RAW Video Support
EXPERIENCE STU
RØDE

TIFFEN FILTERS
STEADICAM
Camera Stabilizing Systems
lowel
Light
HYDRA-ARM
TBC
CONSOLES
BOLT
HIGH-SPEED CINEBOT
MRMC
MARK ROBERTS MOTION CONTROL
Follow #boltcinebot
@mrmoco1
mrmoco
ASTRO
Nikon

Panasonic
SMART STUDIO
CONTROL ROOM
Innovative Live Production Tools
For Smart Studio
Live Production Suite
AJ-PX5100
VISITOR

HDR
HDR
Panasonic
4
4K
PROFESSIONAL
FUJINON
UC3000KIT3

SCALITY
SOLVED
PESA
DoD Certified
NIPRNet | SIPRNet | JWICS

PHABRIX®
IP | UHD | HDR
TEST & MEASUREMENT
SDI-STRESS
Qx
ST 2110
Qx IP, Sx TAG
ST 2022-6
Qx IP, Sx TAG
Qx Series
Rx Series
Sx Series

IN-VEHICLE EXPERIENCE
Hybrid IP/SDI ST
ST 2110
0x IP, 5x TAG
NOMINEE
DELL

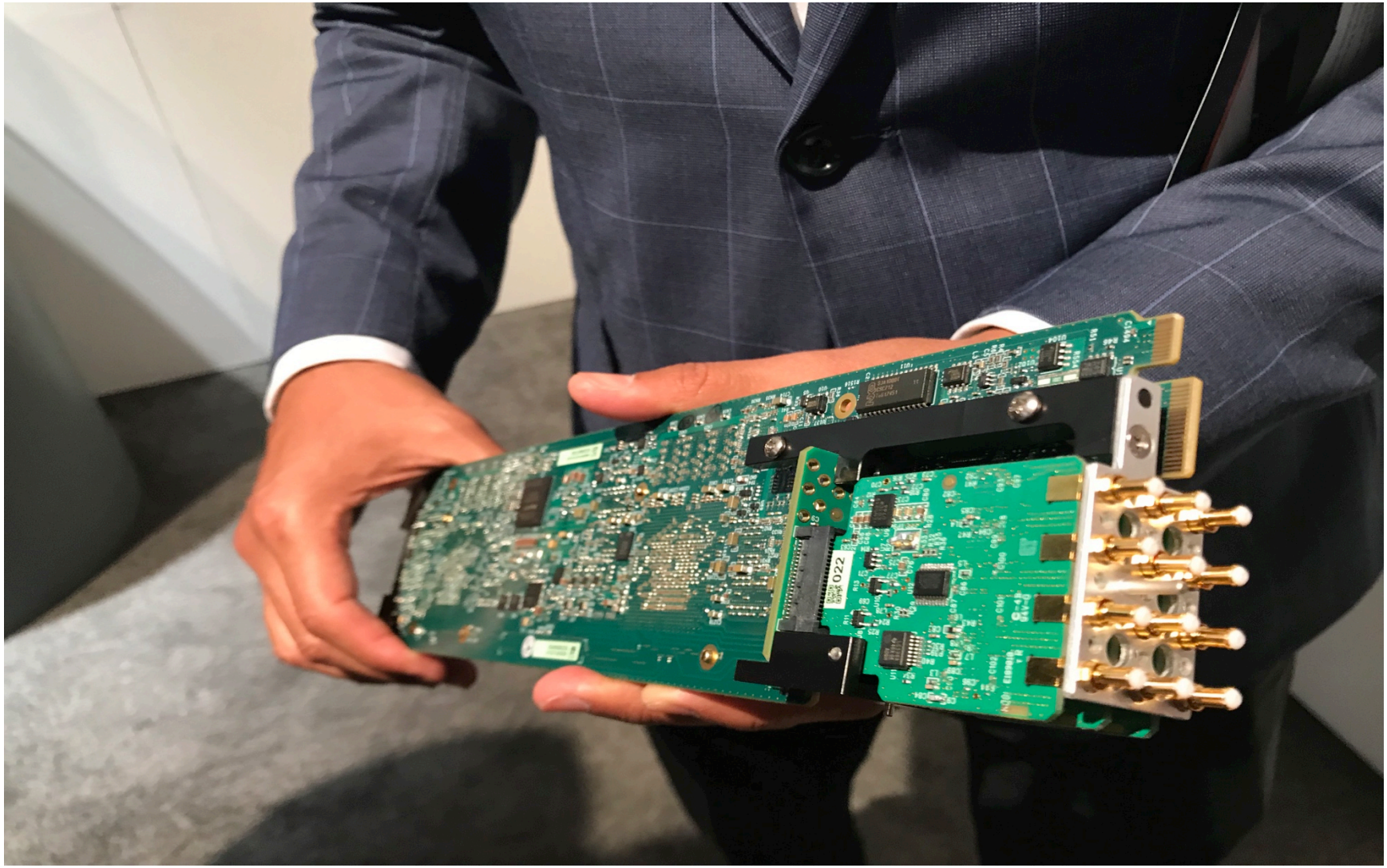
PRONOLOGY
mRes by PRONOLOGY
CENTERPOINT CORE by PRONOLOGY
StreamFile Core
SCREENER by Pronology
rNAS
NetVu Pro BY PRONOLOGY
PRONOLOGY
PRONOLOGY
EVS

SPIRIT LAB
SPIRIT LAB
Bolero 2
SAMSUNG

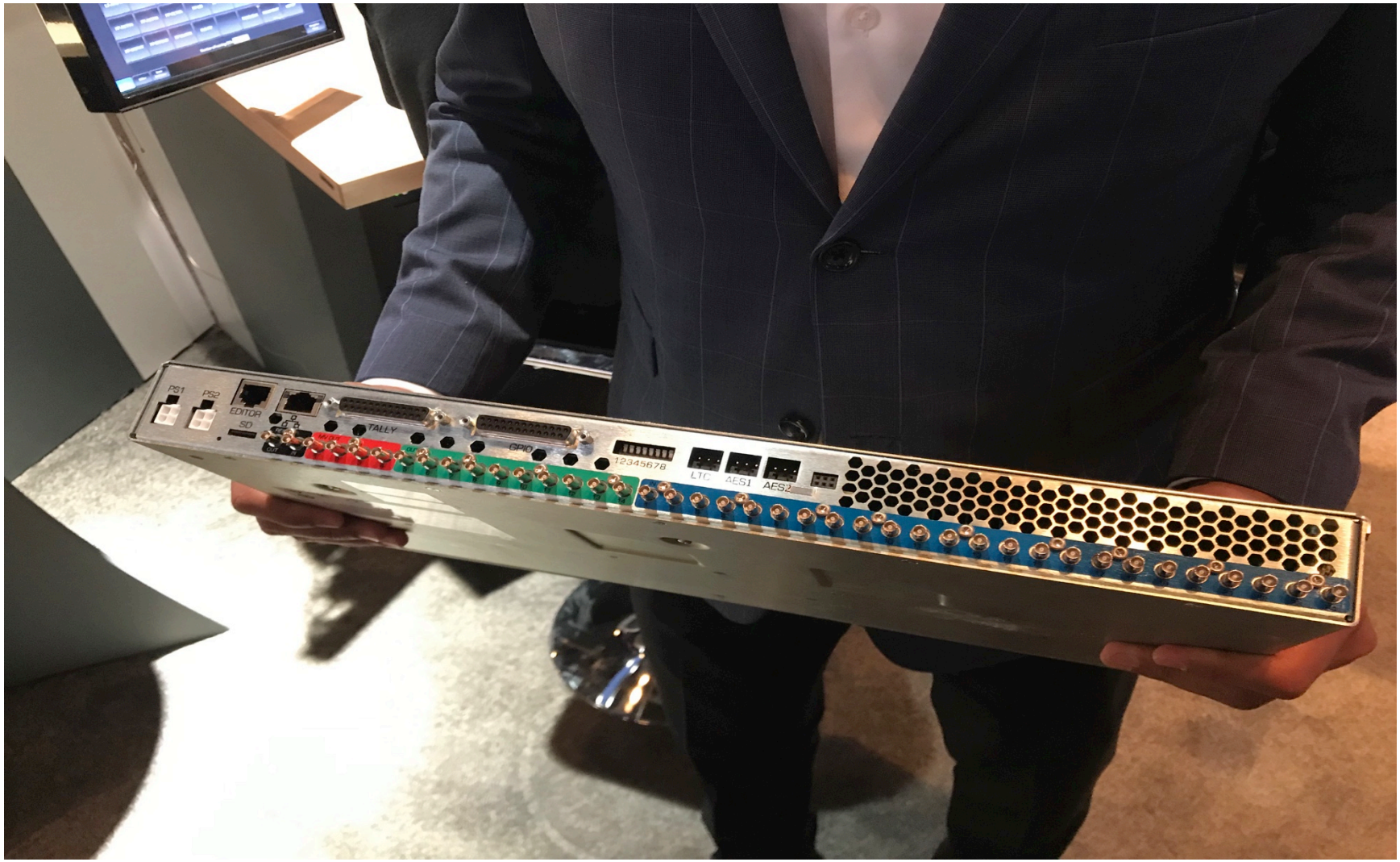
ROSS
LIVING LIVE!
Graphics Solutions
PIERO
streamline
ROSS
LIVING LIVE!
News Production Solutions
overdrive
inception
PRODUCT
of the YEAR
BaM
AWARDS 2019
FINALIST
iabm
Member
ROSS
ROSS
Join the Conversation
#RossNAB
#RossVideo
#NABShow

Unified
Sports
Venue
Solution
XPression Stadium
LifeMedInsurance
RUSHING PLAYS
RUSHING YARDS
AVG RUSH YDS/ATT
RUSH TD
PRVLEDFSN12
PRV434KLED
PRV324KLED

WITCH
IGGY
POWER / STATUS
PTP SLAVE / MASTER
PTP LOCK
NET1 ACTIVITY
MADI LOCK
TALLY / GPIO
MADI
Ref Clk
OUT
IN
75Ω
HiZ
POWER
+15V 4A
CONTROL
PoE NET1
NET 2
IP GEAR
iggy
IGGY-MADI
ROSS
JT-NM
TESTED
SMPTE
ST 2110
NEWT
DashBo
Configure and Co
& DashBoard
STATUS
CONTROL
MICRO SD
POWER
+15V 4A
SDI 4
SDI 3
SDI 2
SDI 1
HDMI
HDMI 2.0
NET 1
NET 2
newt
IP GEAR
NEWT-IPX
ROSS
HDMI 2
RAPTOR



FURO
HIGH
Ultritouch
RPT 1-1
SVR2
RPT 1-2
SVR2
RPT 1-3
SVR3
RPT 2-1
SVR2
RPT 2-2
SVR8
RPT 2-3
SVR9
GTR 1
TRIA1
GTR 2
TRIA1
AAP 1
SVR2
INFR 3G
TRIA1
INFR m...
GTR 1
INFR m...
GTR 1
INFR m...
GTR 1
INFR m...
SVR1
SVR1
SVR2
SVR3
SVR4
SVR5
SVR6
SVR7
SVR8
SVR9
SVR10
SVR11
SVR12
SVR13
SVR14
SVR15
RPT 2-2
SVR8
VIEW
CLEAR
PRESET
LOCK
PROTECT
TAKE
ROSS
openGear
ROSS


PS1
PS2
EDITOR
SD
TALLY
GPIO
12345678
LTC
AES1
AES2

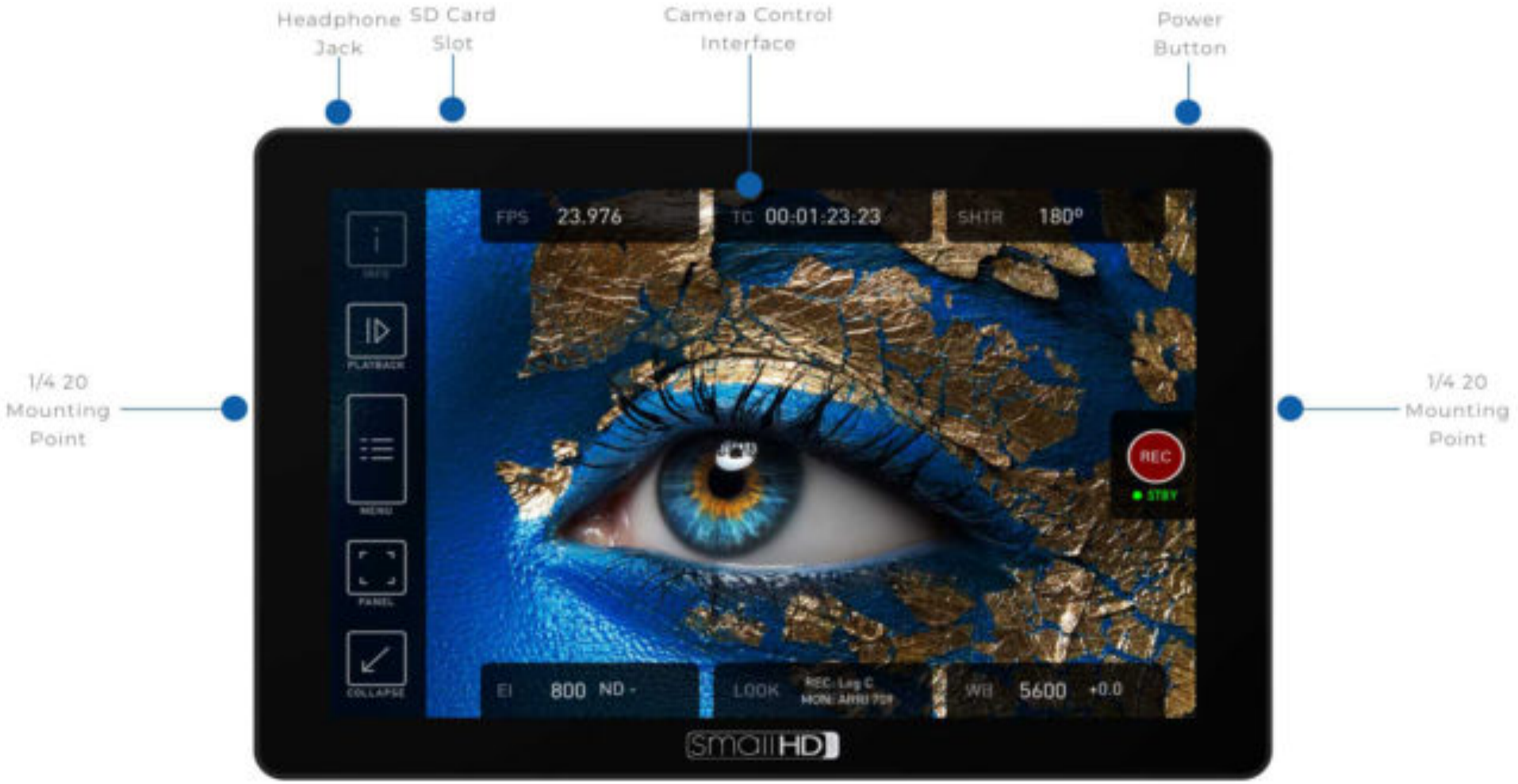
KVM Systems
pro-xi
Supercharge your Matrix
ACCESS GRANTED
ROSS
KVM Systems

DVB-S2X Satellite Modulator SMD 989
Contribution HEVC 4K Receiver Decoder MRD 7000
Distribution HEVC 4K Receiver Decoder MRD 6000
Advanced Receiver Decoder MRD 5800
SDI over IP Converter SDI2X
Dense Decode and Turnaround Platform
High Speed Digital Media Gateway DMG 4200
DMG
VideoBRIDGE System Monitoring Solutions
Recording and Playout Streamer TSS 6220
Digital Turnaround Platform Sencore OmniHub
Digital Media Platform DMP900
HD/SD Receiver Decoder UMH160R
Stream Media Platform SMP100
ellen

sencore
PWR
SATA
WIFI
MIP-MINI
USB 3.0
USB 3.0

SHARP
8K

SHARP
80″ 8K TV
70″ 8K Museum


Headphone Jack
SD Card Slot
Camera Control Interface
Power Button
1/4 20 Mounting Point
1/4 20 Mounting Point
FPS 23.976
TC 00:01:23:23
SHTR 180°
INFO
PLAYBACK
MENU
PANEL
COLLAPSE
REC
STBY
EI 800 ND -
LOOK
WB 5600 +0.0
smallHD

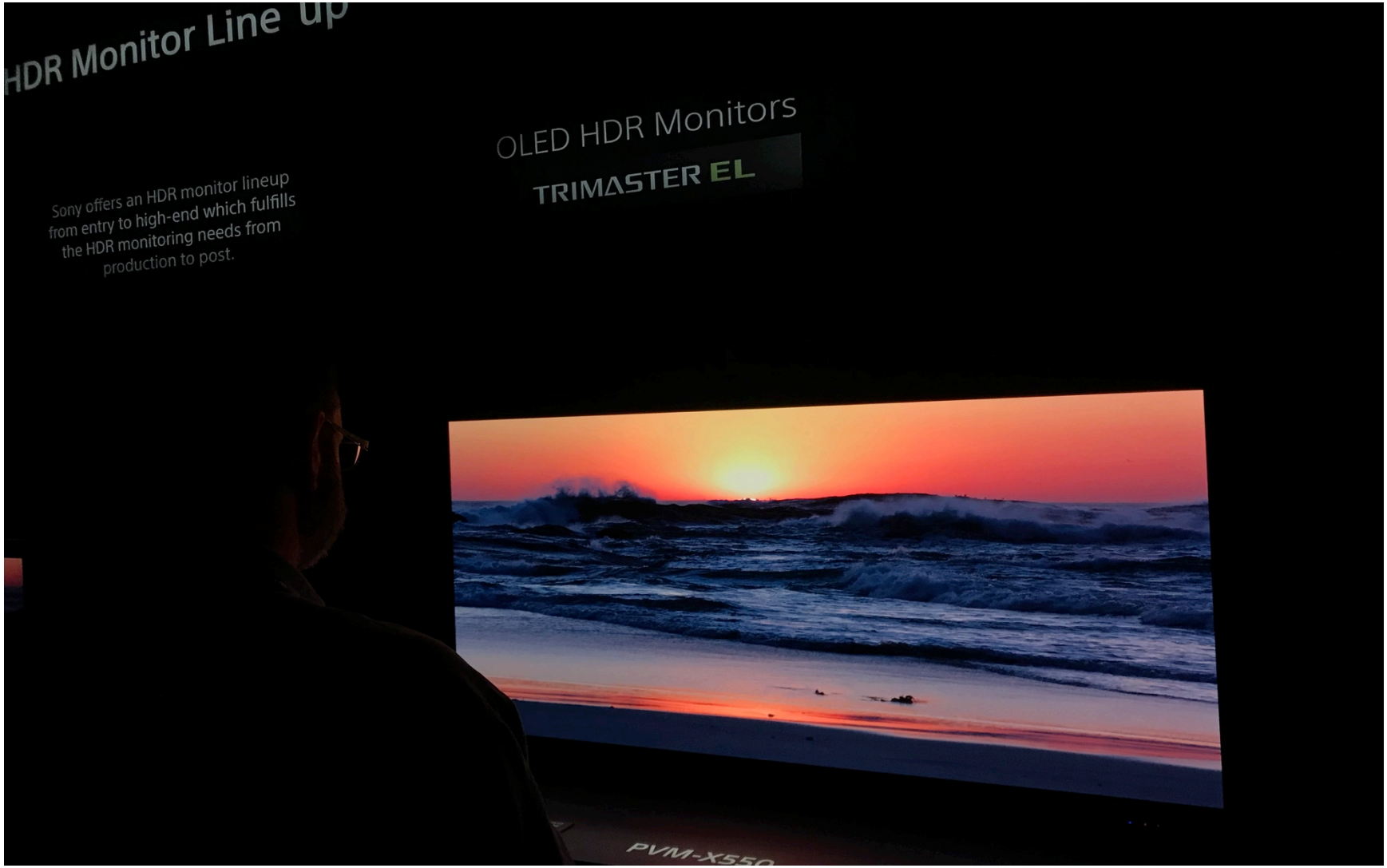
AI-Based Video Analytics
Edge Analytics Appliance
23
Hawks
21
BOSTON
11

HDC-P50 (4K HDR)
SONY
RET 1
RET 2
RET 3

SONY
Crystal LED
Display System
A small sampling of some of the companies utilizing CLED
FOX
docomo

SONY
ystal LED
splay System
A small sampling of some of the companies utilizing CLED
docomo
SONY
insta360

LCD HDR Monitors
y offers an HDR monitor lineup
entry to high-end which fulfills
e HDR monitoring needs from
production to post.
LMD-A170
LMD-A220
LMD-A240


HDR Monitor Line up
Sony offers an HDR monitor lineup from entry to high-end which fulfills the HDR monitoring needs from production to post.
OLED HDR Monitors
TRIMASTER EL
PVM-X550

SONY
SONY
ME2 PGM1
VMix

SOUND DEVICES
A10-RACK
4-SLOT WIRELESS RECEIVER ENCLOSURE
• 1 RU 4-slot wireless receiver rack system
• 8-ch Dante / AES / Analog outputs
• Built-in power and antenna distribution with antenna loop-thru
• 4-pin DC XLR input
• Compatible with Audio Limited, Lectrosonics, and Wisycom slot receivers
Versatile distribution of slot-in receivers to Dante or AES
970
AUDIO DECK FOR CART OR RACK
• 64 channels of MADI and Dante audio I/O
• Eight line-level analog I/O
• Eight AES I/O
• Ambient Lockit timecode master clock
• Four-drive simultaneous recording
• Secondary DC input for added peace of mind
Hollywood's choice for high-track count projects.
MADI
Dante
PIX 270i
RACK-MOUNT VIDEO RECORDER
• Apple® ProRes and Avid® DNxHD codecs from 36 Mb/s proxies up to ProRes 4444, 12-bit
• Control and file transfer over IP, built-in scaler and frame rate conversion
• Group multiple video decks together for frame-accurate record and playback, ideal for multi-cam productions & multi-screen presentations
• Simultaneous recording on up to four drives for redundancy and backup
• 64 Channels of Dante and MADI audio I/O multi-track recording
The choice video recorder and playback deck for film festivals, video walls, installs and rental/staging
Middle Atlantic Products, Inc.

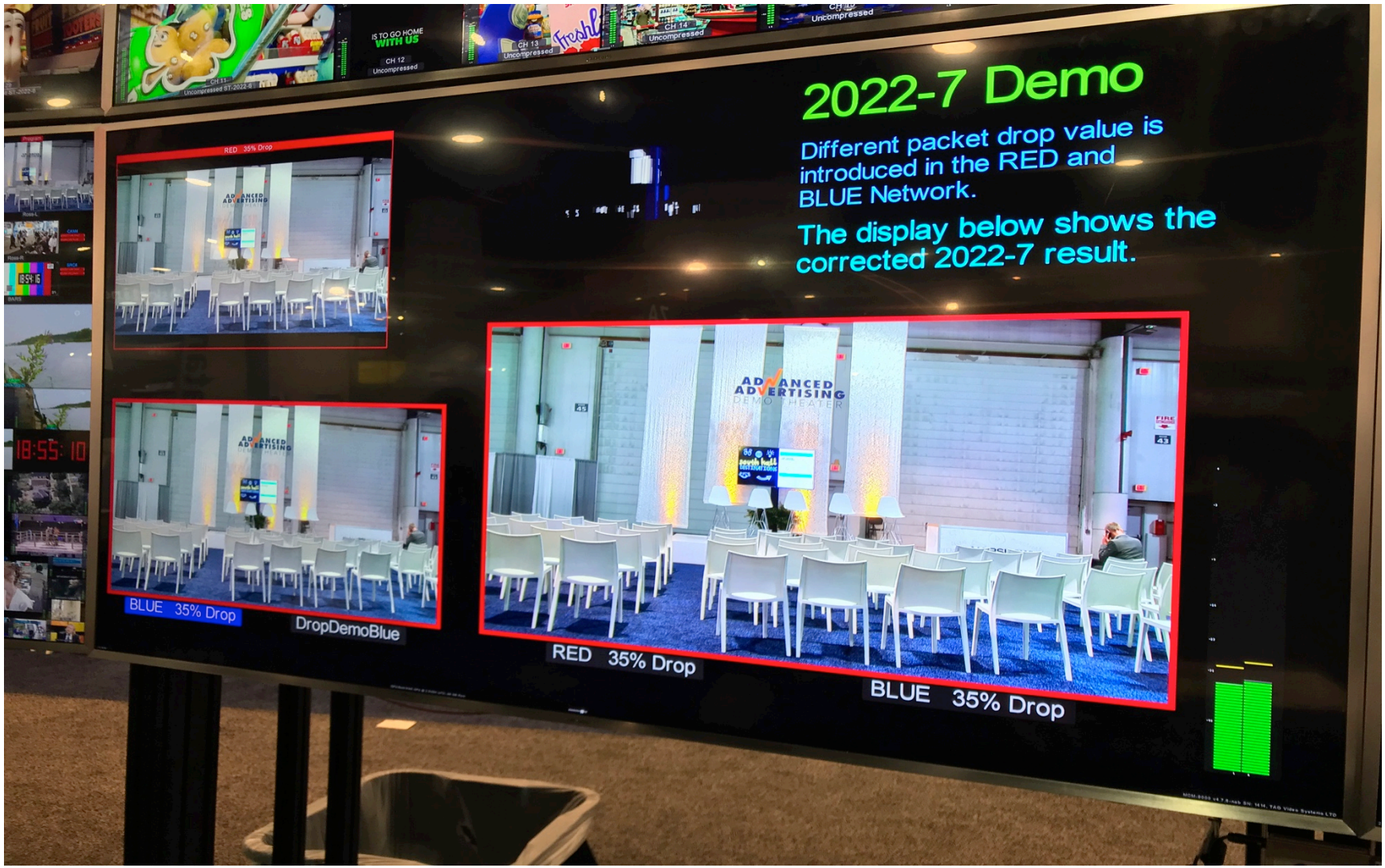
REC
1: Track
Solo
Mute
Arm
Gain
Pan
Low Cut
Off
MixPre-3
AUDIO RECORDER I MIXER I USB INTERFACE
3 KASHMIR MIC PREAMPS / 3 CHANNELS / 5 TRACKS

STREAM STATION
BEAMR
910655
$49.99
SMPTE-HD-BARS: 320x180@25fps
UTC: 21:45:15:22
HEVC: 1
STREAM STATION
IRD

STUDIO
TECHNOLOGIES
INC.
Model 5512
AUDIO INTERFACE
Model 5518
MIC/LINE INTERFACE
JT-NM TESTED
SMPTE
ST 2110

SWIT
SWIT
SWIT
SWIT
Joyce Li
Sales Manager
joyce@swit.us
SWIT Electronics America, Inc.
SWIT
SW-M500
500m Wireless HD
3GSDI & HDMI, 500 meters
OLED info, DFS, 1-4 Multicast

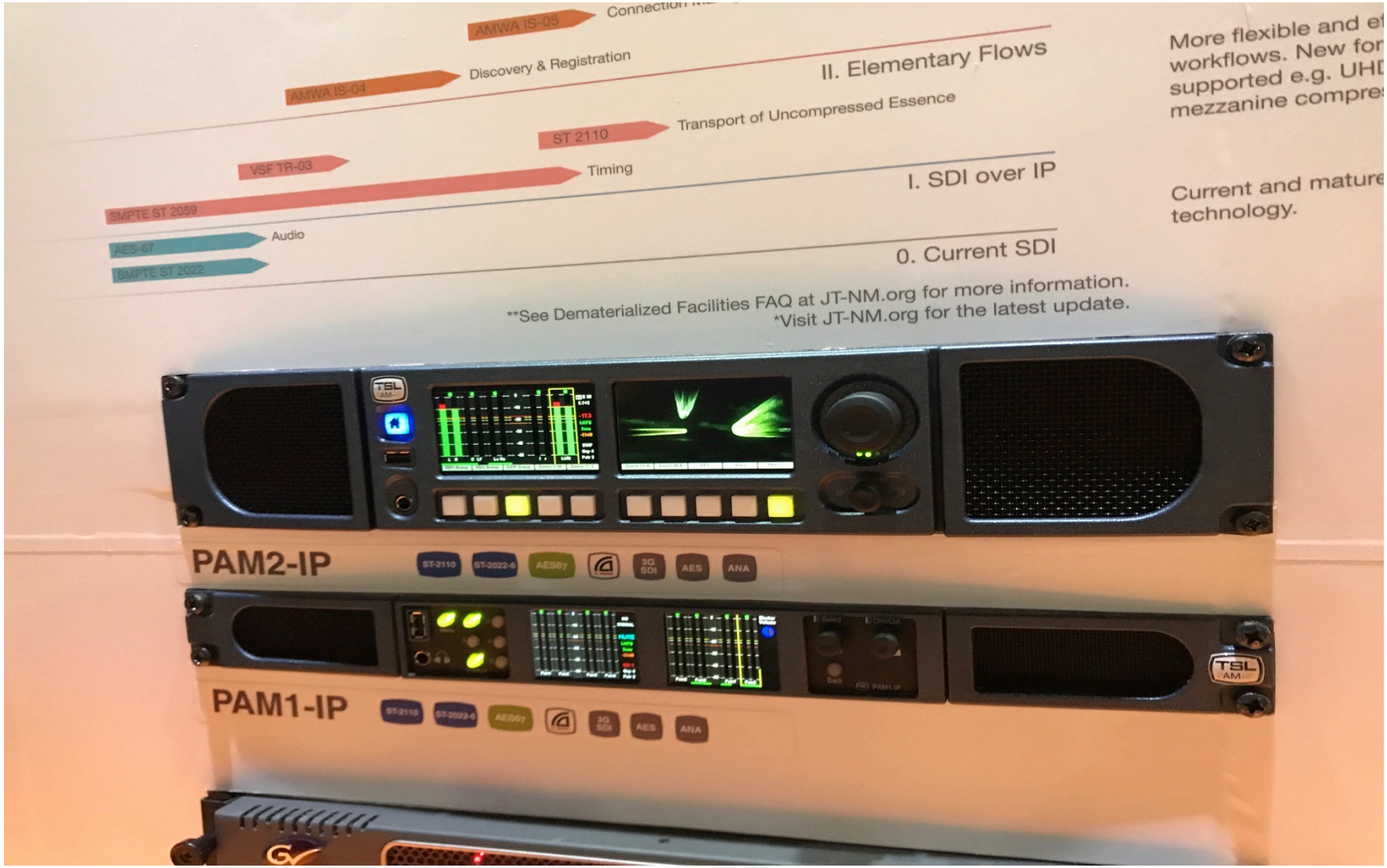
TAG
VIDEO SYSTEMS LTD
TAG
VIDEO SYSTEMS LTD
PAVILION
DTH
Atlanta DTH, Inc.
ARISTA
TAG
VIDEO SYSTEMS
HOW ARE YOUR MULTIVIEWER & MONITORING NEEDS CHANGING?
MX1
Ziggo
telenet
fetch tv
Dogan
ADVANCED ADVERTISING PAVILION


2022-7 Demo
Different packet drop value is introduced in the RED and BLUE Network.
The display below shows the corrected 2022-7 result.
RED 35% Drop
BLUE 35% Drop
DropDemoBlue
RED 35% Drop
BLUE 35% Drop

ST 2110 at 10/25G
Video & Audio Over IP
/ PRISM / Timing Analysis / ST2022-7 / NMOS /
IP Status
IP Session
IP Graphs
Tektronix
NOT PRESENT

TSL
Products
Audio Monitoring Solutions
IP Comes as Standard
3G SDI
AES
ANA
AES67
S2022-6
S2110
Joint Task Force Roadmap*
Audio Monitoring is Evolv
Customizable configuration
Lock-down controls
Expandable capabilities via lic
trol Systems
Libraries, Scalable
CAM9 Mic
2,000 Installations Worldwide
ARISTA AMWA
Dante
SAM-Q-SDI
TMCP-15
00:09:30
On Air

Expandable capabilities via licenses
SAM-Q-SDI
3G SDI
AES
ANA
MPA1 MIX DANTE
AES67
WEB UI
SNMP
2019
of the


AMWA IS-05
Connection
AMWA IS-04
Discovery & Registration
II. Elementary Flows
ST 2110
Transport of Uncompressed Essence
VSF TR-03
SMPTE ST 2059
Timing
I. SDI over IP
AES-67
Audio
SMPTE ST 2022
0. Current SDI
More flexible and ef
workflows. New for
supported e.g. UHD
mezzanine compres
Current and mature
technology.
**See Dematerialized Facilities FAQ at JT-NM.org for more information.
*Visit JT-NM.org for the latest update.
PAM2-IP
ST-2110
ST-2022-6
AES67
3G SDI
AES
ANA
PAM1-IP
TSL AM

PTZ Camera
Rack Monitor
12G-SDI / 4K HDR Monitor
Creation
AbelCine
4K / 12G / HDR
LUM-310R
TVLogic
LUM-310R

Utah Scientific
DELL Technologies
SEAGATE
EditShare
CONTENT WORKFLOWS
What's Now...
ST 2110 & ST 2022
4K/8K/HDR
What's Next...
E.D.G.E.
42 Years in Business - 10 Year Warranty - 0 End of Life Letters
UHD 288
12G 4K Single-link
UTAH-400 Series
10 Year Warranty
UTAH-400 Series
SDI/IP Hybrid
UTAH-400 Series
10 Year Warranty

What's Now...
ST 2110 & ST 2022
4K/8K/HDR
What's Next...
E.D.G.E.
42 Years in Business - 10 Year Warranty - 0 End of Life Letters
SDI - IP Hybrid
COTS IP Switching
IP Copies of SDI Inputs
SDI Input
Passthrough Input Card
UTAH-400S2 288 XPT
Passthrough Output Card
SDI Ready
SDI Input
SDI Input Card
SDI OutputCard
SDI Ready

UTAH-100/UHD 288
Utah Scientific

E-NET
SERIAL
MX-BUSS
MX-BUSS

VITEC EZ TV Player Lite
Not secure
https://172.21.162.21/sb/
eztv
Search Channels
Home > Channels
3 Mosaic channel
5 CNN HD
6 FNC HD
7 MSNBC HD
8 TF1 HD
9 Golf HD
10 BFM Buisness HD
11 Das Erste
12 Bloomberg
13 Weather Channel
14 ESPN2 HD
15 ESPN HD
16 NFL Quad
17 NBA Quad
18 BBC World News
19 HLN
57 Warriorrs TV
69 BEIN HD
85 NBATV_01
86 Nellis AFB
87 NBATV_02
177 Ace Live Stream
220 PAC-12
Settings
Help
Logout
GOLF CENTRAL
SCORING THIS SEASON ON PGA TOUR
ROUNDS IN 60s 5
ROUNDS IN 80s 3
SCORING AVERAGE 73.23
SCORE TO PAR +41
Mosaic channel
FNC HD
MSNBC HD
TF1 HD
Golf HD
BFM Buisness HD
TIGER
3 MISSED CUTS THIS SEASON ON PGA TOUR
MOST IN ANY SEASON OF PROFESSIONAL CAREER
winn
PGA TOUR
FEDEXCUP
Charley Hoffman 1,473
LIVE
GOLF
Enable Video Preview
VITEC EZ TV Player ...
Type here to search
VIZIO

Network Status
Switch/Control A
Switch/Control B
Fans
BIT
VITEC
Power Supply
POWER SUPPLY
INPUT RANGE
NEW!
MGES-7000
4K / HD Blade
4K
ULTRA HD
HEVC
H.265 - HIGH EFFICIENCY VIDEO CODING

SEAGATE
m29
fr -1584 Raw
16227
1000f/s
180°

SEAGATE
m29
fr -1544 Raw
16227
1000f/s
180°

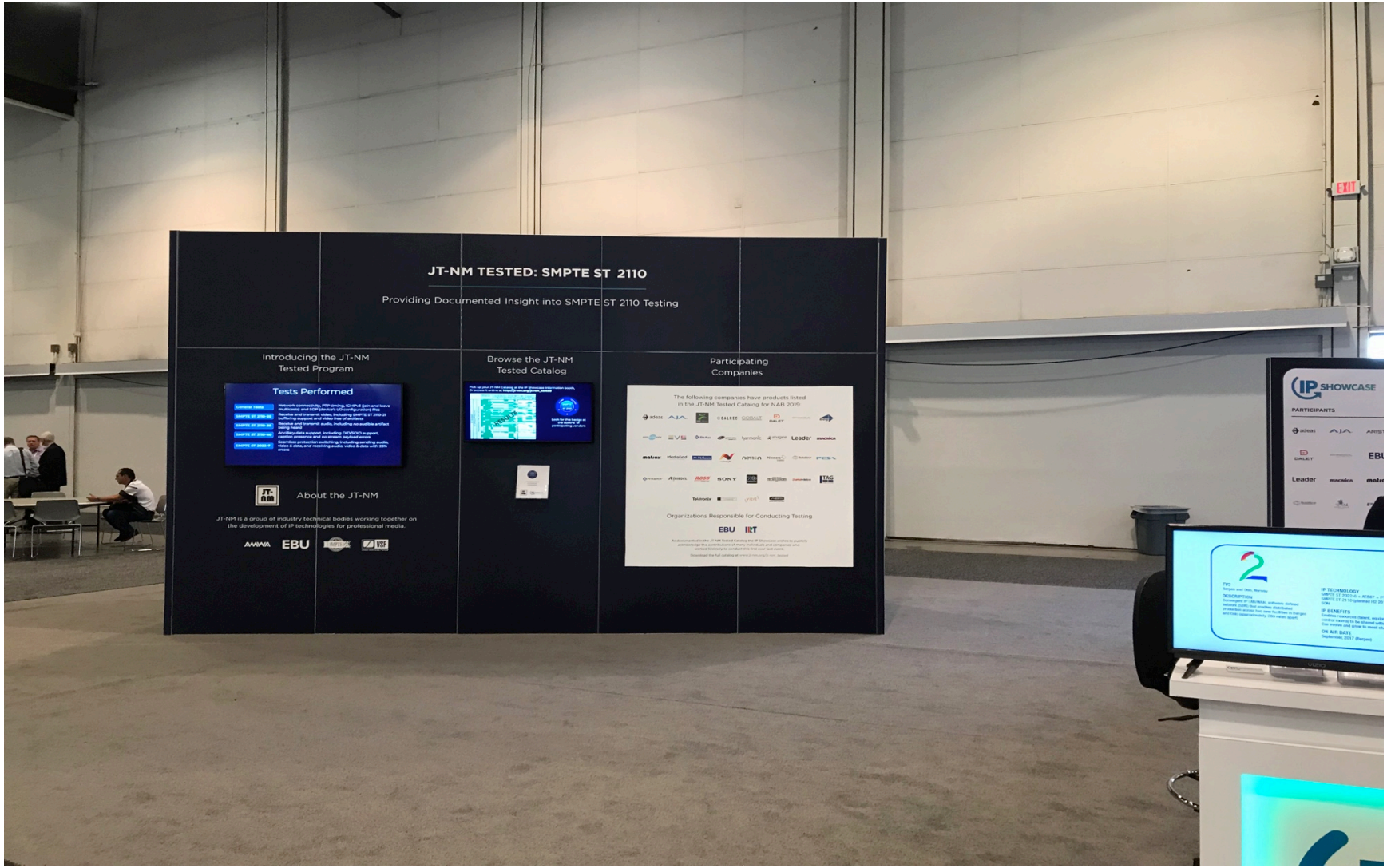
SEAGATE
m29
fr -1528 Raw
16227
1000f/s
180°

SEAGATE
m29
fr -1520 Raw
16227
1000f/s
180°

Dante
SPOKEN HERE
AoIP | VoIP | AES3 | ANALOG | MADI
iAM Series
INTEGRATE
CONTROL
MONITOR
INTEGRATES WITH POPULAR 3rd PARTY DEVICES
CONTROL UNIT PRESETS USING AN API
BROWSER-BASED MONITORING ON MULTIPLE DEVICES
Wohler
AoIP & VoIP Monitoring Solutions
Multi-Channel Audio & Video Monitoring
3G/HD/SD-SDI | AES3 | ANALOG | MADI | DOLBY | DANTE | AES67 | ST2022 | ST2110 | MPEG2/4
iAM Series
Dante
AES67
SMPTE 2110 & 2022
INTEGRATE
CONTROL
MONITOR
INTEGRATES WITH POPULAR 3rd PARTY ROUTERS
CONTROL UNIT PRESETS USING AN API
BROWSER-BASED MONITORING ON MULTIPLE DEVICES
Wohler
iAM Series

LYNX Technik AG
Single Link/Quad Link Converter
Conversion Modes
12G → 4 x 3G
4 x 3G → 12G
6G → 4 x 1.5G
4 x 1.5G → 6G
12G Fiber → 12G Coax
SFP
USB
In/Out 4
In/Out 3
In/Out 2
Out 1
yellobrik
Made in Germany
CQS 1441

greenMachine
titan
LYNXTechnik AG
SDI 1
SDI 2
Fiber 12G
Video Proc
SDI 3
SDI 4
Fiber 3G
Audio Bus
Signals
HDMI
Ext. Audio
Misc
greenMachine
APPs
System
Panel Lock
Back
F1
F2
F3
greenMachine
multiple purpose processor
LYNXTechnik AG | Broadcast Television Equipment


JT-NM TESTED: SMPTE ST 2110
Providing Documented Insight into SMPTE ST 2110 Testing
Introducing the JT-NM Tested Program
Tests Performed
About the JT-NM
JT-NM is a group of industry technical bodies working together on the development of IP technologies for professional media.
AMWA
EBU
VSF
Browse the JT-NM Tested Catalog
Participating Companies
The following companies have products listed in the JT-NM Tested Catalog for NAB 2019
Organizations Responsible for Conducting Testing
EBU
IABM
EXIT
IP SHOWCASE
PARTICIPANTS

IP SHOWCASE THEATER
VSF
AIMS IP IN ACTION

Diversified IP Road Show
12:06 PM
4/11/2019
Tektronix
PRISM
Venue Player
IQ
01
ITX
KALEIDO-IP

Diversified IP Road Show

Bob Baker
Sr. Media Transport Architect
Turner Broadcasting
Bob.baker@turner.com