

SONY

Transform presentations with the Edge AI Video Analytics Solution.



REA-C1000
Edge Analytics Appliance

Get ready to grab your audience's attention with the first AI-based video analytics system that lets you create a powerful real-time video presentation without significant added expense, time, or manpower.

The Edge Video Analytics solution, model REA-C1000, transforms video presentations using artificial intelligence. The compact and lightweight system uses advanced AI-based video analytics technology to analyze input received from connected cameras, including Sony's line of PTZ cameras, and automatically extract the object in focus to combine it with other images in real time. This unique technology using motion and face detection and color and shape recognition effectively makes Edge Analytics the powerful brain of any connected camera and AV set-up.



Transform your Audience Engagement

With Edge Analytics you can engage your audience like never before:

- Use tracking to stay in focus and within the frame.
- Extract characters and diagrams in real time from white or black boards.
- Create animated imagery, still pictures, and supporting graphics – without a dedicated studio.
- Show two different images at once for added impact.
- Zoom in on an audience member to show reactions or highlight questions.

See more on YouTube



Target Application

As the powerful brain of any connected camera and AV set-up, Edge works like a virtual camera operator at your fingertips and allows you to cost-effectively create professional, engaging content for teaching, training, seminars, events, and conferences in a broad range of applications:



Seminar / Conference



Corporate Media
(Marketing / AD)



Event Production



Faith-based organizations



E-learning / MOOCs



Healthcare

Sony's Professional Cameras

Using industry-leading Sony's cameras unleashes the potential of the Edge Analytics Appliance, making new content creation experiences possible.



BRC Series*



SRG Series*



XDCAM Series



A7 Series

* Visit our website or contact Sony's authorized dealer for compatible models

Transform Your Contents With Powerful Features



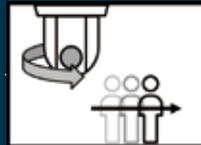
Edge Analytics Appliance (main unit)

REA-C1000



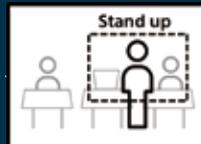
Handwriting Extraction

REA-L0100



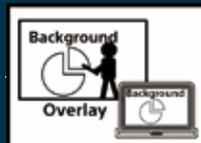
PTZ Auto Tracking

REA-L0200



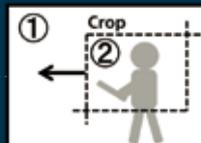
Close-up by Gesture

REA-L0300



Chroma key-less CG Overlay

REA-L0400



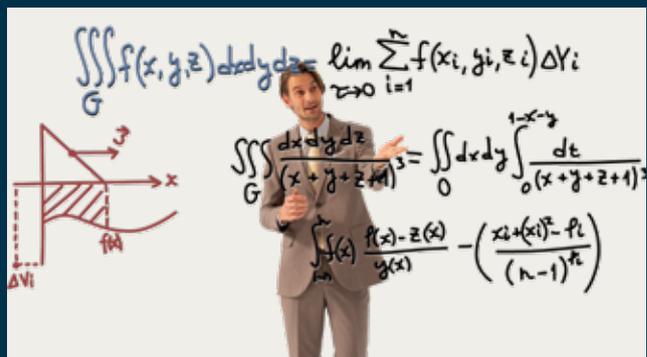
Focus Area Cropping

REA-L0500

Handwriting Extraction and Presenter Overlay (REA-L0100). Handwriting extraction uses AR (Augmented Reality) technology to ensure that words and diagrams written on a white or black board are extracted and displayed in real time in front of the presenter like a floating board. It helps record the presenter's ideas, thinking process, and passion on video and transmit them to an audience.



See more detail on movie



PTZ Auto Tracking (REA-L0200). Edge Analytics, combined with Auto Tracking software, enables the Sony PTZ cameras to accurately and smoothly track your figure to ensure you stay in focus and within the frame throughout your presentation. This is another cost-effective solution that eliminates the cost of a camera operator.



See more detail on movie



Close Up by Gesture (REA-L0300). This intelligent zoom feature allows the video to recognize when someone in the audience stands up from a seated position, and automatically zooms in on the corresponding location. You can display both a wide-angle view and an electronically zoomed view in real time.



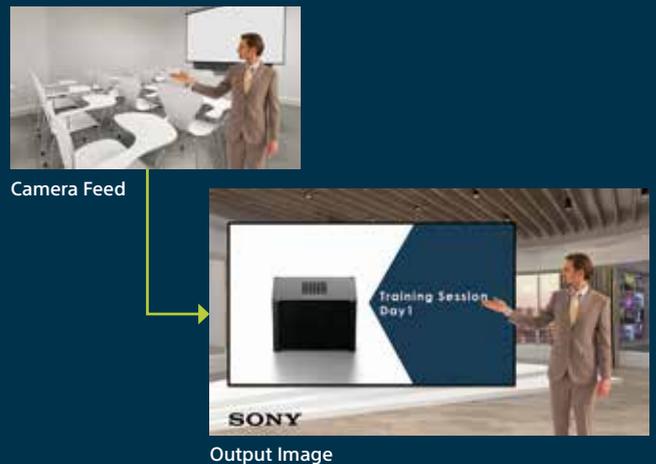
See more detail on movie



Chromakey-less CG Overlay (REA-L0400). Sony's motion detector technology can extract and overlay your figure on any background image, animation, or video in real time without a dedicated green screen. So you can create specific overlay content such as animated imagery, still pictures, and supporting graphics, which provide an interesting backdrop to your presentation. This is a hassle-free and easy-to-operate solution, without the cost of a dedicated green screen, lighting or skilled staff.



See more detail on movie



Focus Area Cropping (REA-L0500). Focus Area Cropping allows an image frame captured by a single camera to be viewed as two different output images simultaneously. For example, you can stream a close-up Full HD image as a cutout from the main wide-angle 4K image. In addition, the cropped area can be selected as static or dynamic to follow your movements using built-in features like motion and face detection and color pattern and shape recognition.



See more detail on movie

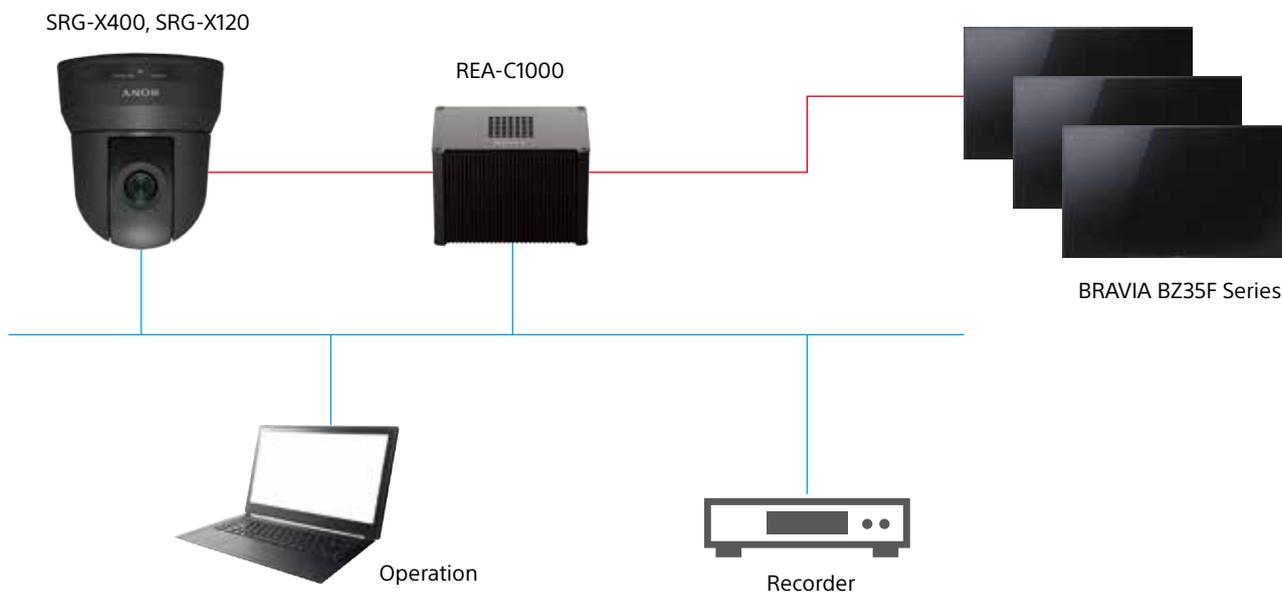


System Workflow

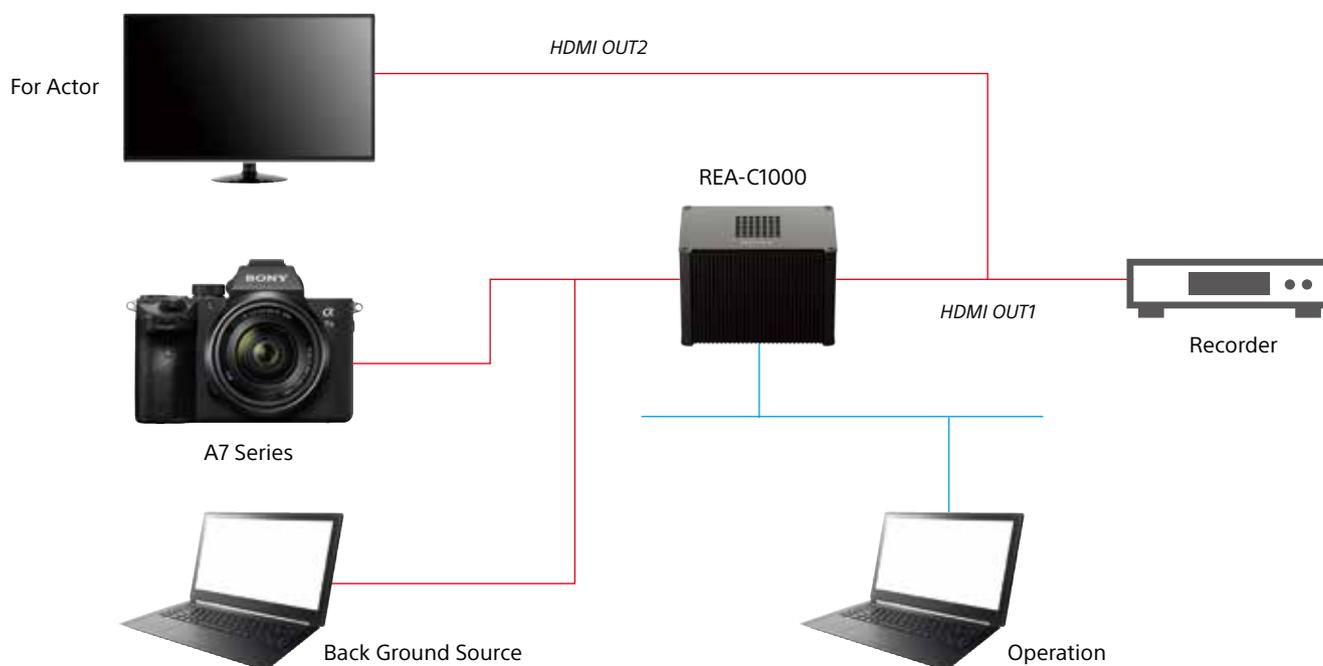
The Edge Analytics solution is compatible with Sony's professional cameras to allow for the transmission of the video images straight to the display or recording device. This enables the handwriting extraction technology, for example, to be used easily without any distraction to the presenter or audience.

Handwriting Extraction for Classroom

— HDMI
— Network

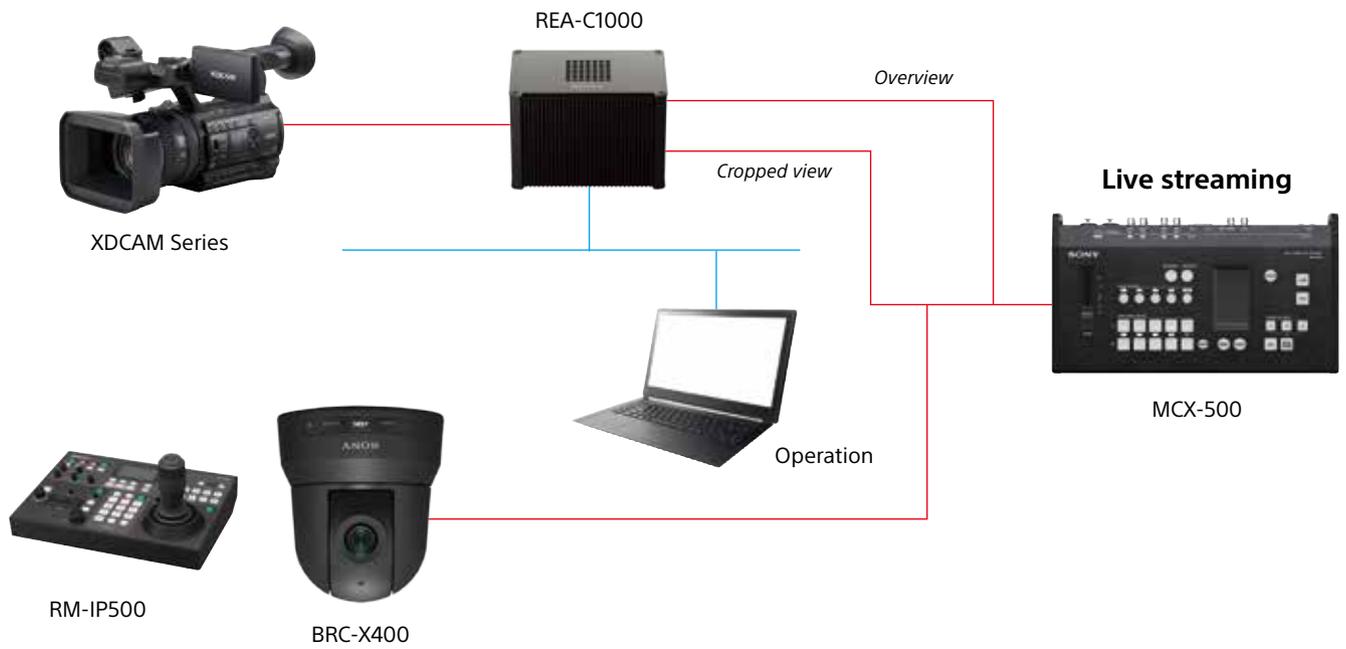


Chromakey-less CG Overlay for Small Studio

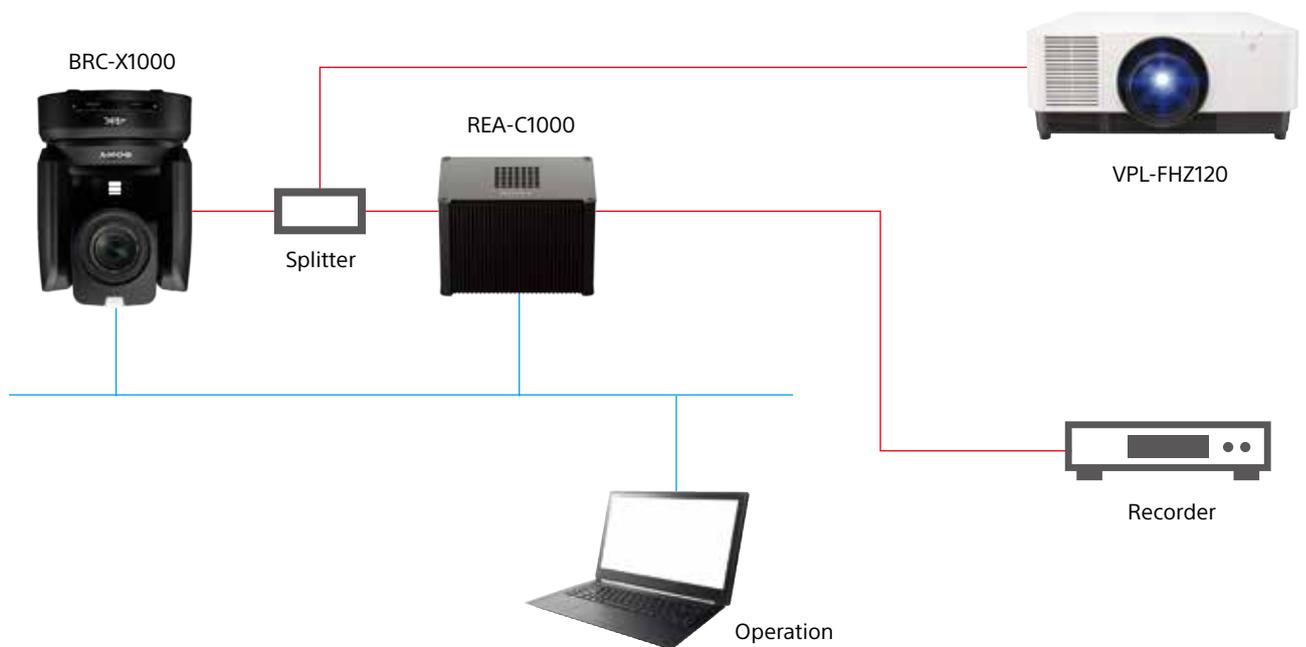


Focus Area Cropping for Event production

— HDMI
— Network



PTZ Auto Tracking for Conference



Specifications

REA-C1000

Handwriting Extraction	Required License. (60-day trial license is built-in as default)
PTZ Auto Tracking	Required License. (60-day trial license is built-in as default)
Close-up by Gesture	Required License. (60-day trial license is built-in as default)
Chromakey-less CG Overlay	Required License. (60-day trial license is built-in as default)
Focus Area Cropping	Required License. (60-day trial license is built-in as default)
Fixed Area Cropping	Crop the manual controlled area of the whole view at once.
Intuitive Web-based User Interface	Supports Google Chrome Ver. 70 or later
HDMI IN 1	Up to 4K 30p (3840x2160 / 29.97P, 25P)
HDMI IN 2	Up to FHD 60p (1920x1080 / 59.94P, 50P)
HDMI OUT 1	[EDID]: Automatically determine and output a video image that is compatible with the connected output device. Up to 4K 30p (3840x2160 / 29.97P, 25P)
HDMI OUT 2	[EDID]: Up to FHD 60p (1920x1080 / 59.94P, 50P)
Network (LAN)	RJ-45 (1000BASE-T)
DC Power Input	12 V 5 A (required 3rd party AC Adapter)
MIC IN	Stereo, ø3.5 mm mini jack
HDMI Embedded Audio	Supported
RTSP Streaming	H.264
IPv4, IPv6	Internet Protocol version
Role-based Authorization	Access permissions of one administrator and nine general users
Access Restrict	Configure the security function to restrict the computers that can access the unit
Dimension/Mass	Height: 3.8 in, Width: 5.6 in, Depth: 3.6 in/Approx. 1.9 lb (Height: 97 mm, Width: 141 mm, Depth: 91 mm/Approx. 0.86 kg)
Operating Temperature	41°F to 104°F (5°C to 40°C)

REA-C1000



Separate Power Adaptor Required

Distributed by

©2019 Sony Electronics Inc. All rights reserved.
 Reproduction in whole or in part without written permission is prohibited.
 Feature and specification are as of version 2, and subject to change without notice.
 All non-metric weights and measurements are approximate.
 "SONY" is registered trademark of Sony Corporation.
 All other trademarks are the property of their respective owners.