



AV-over-AIoT Solutions

Empowering an Intelligent Audiovisual Future for All



Networked AV



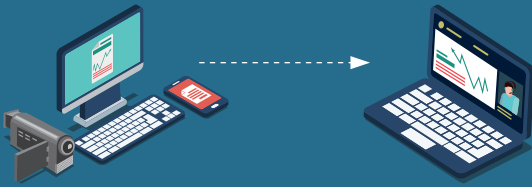
Industrial Video Conferencing



Edge AI Meets Pro AV

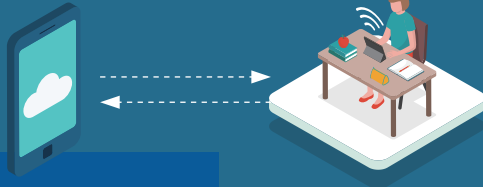
Healthcare / Education / Transportation / Surveillance / Government and many more...

AREC AV-over-AIoT : Next Generation Technology



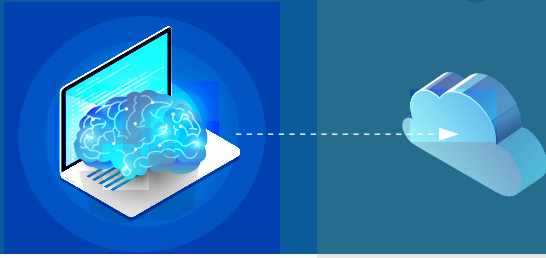
Networked AV

The processing and delivery of AV signals over the network



Industrial Video Conferencing

New video-conferencing tool to boost collaboration and ongoing communication



Edge AI Meets Pro AV

Explore the use of AI in audiovisual applications across industries

As a pioneer in the AV-over-AIoT (AV-over-IP) field, AREC is committed to providing our customers with advanced and intelligent audiovisual solutions to accelerate their next-generation digital deployment and assist their business or service development for a new future.

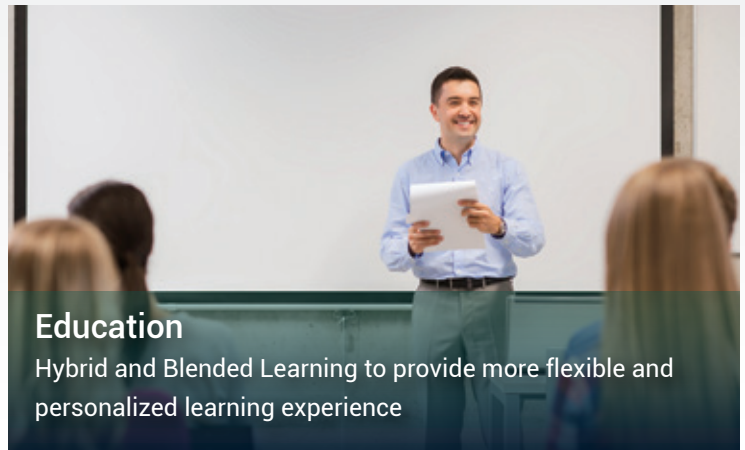
The convergence of Pro AV, IoT and AI has opened up innumerable opportunities across industries, especially in the wake of the Covid-19 pandemic. To meet the needs of the innovative video solutions, customers can leverage our strong AV-over-AIoT technologies and expertise, including hardware, software, and cloud platform integration, to create the value-added video solutions and reduce the risk of technology development.

Industries



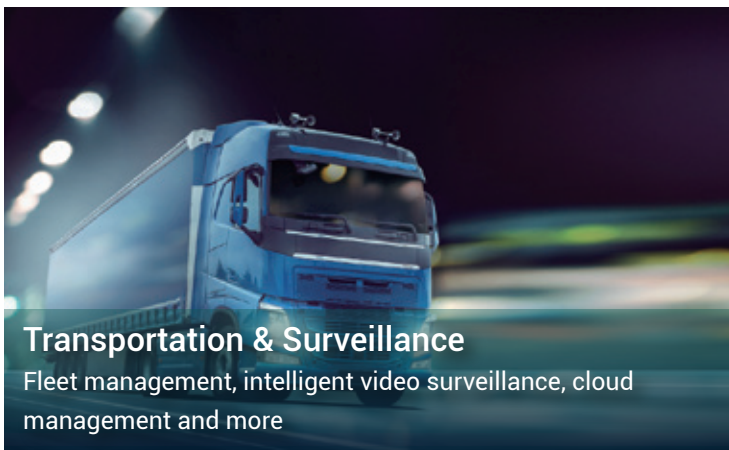
Healthcare

Telemedicine, coexistence of virtual and real diagnosis to create the value-added clinic service



Education

Hybrid and Blended Learning to provide more flexible and personalized learning experience



Transportation & Surveillance

Fleet management, intelligent video surveillance, cloud management and more



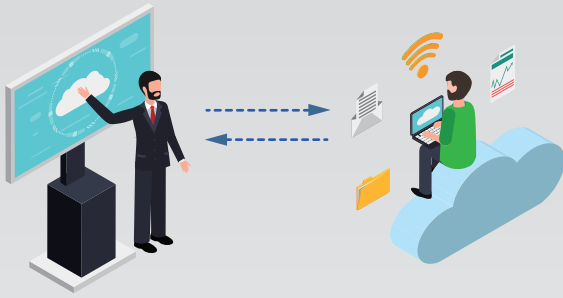
Government & Manufacturing

Private video conferencing to meet the specific communication needs.

Multiple Audiovisual Services

Private Video Calls/ Video Chat/ Telemedicine

Private and secure one-to-one online video call or with a few participants for real-time video communications.



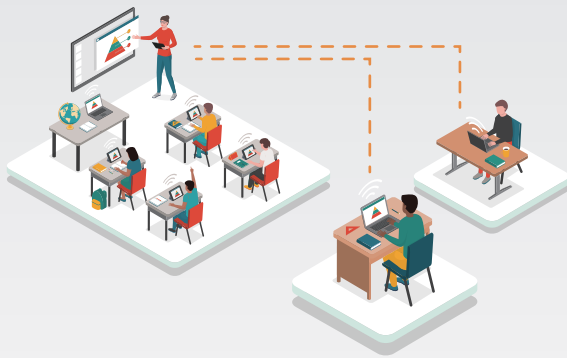
Multiple AV Sources Capture and Processing

Capture and processing multiple AV signals and content delivery over the network.



Classroom and Training Recording

The process of recording classroom lectures or training content as videos and making them available in digital format for students or staff to view online.



Video on Demand

It is a way that enables viewers to access and watch video content instantly, anytime, anywhere, and on any device.



Successful Case: NTUH Hsin-Chu Branch



NTUH Hsin-Chu Branch has applied the AREC AV-over-AIoT Solutions into clinic visit and Cardiac Catheterization Rooms.

AREC Telemedicine Solution has a high integration capability to achieve coexistence of virtual and real diagnosis to create the value-added clinic service. Combined with the existing registration system and clinic procedures in NTUH Hsin-Chu Branch, with AREC Telemedicine Solution, doctors in the consultation room can see on-site and online patients in turn during the clinic hours.

AREC Video Intercom Solution for Cardiac Catheterization Room has been adopted in NTUH Hsin-Chu Branch. This solution can quickly integrate medical and audio-visual equipment in the cardiac catheterization surgery room, allowing physicians to communicate directly with family members outside the surgery room through one-to-one video intercom solution and provide multiple surgical information. Patients' family members can also watch the surgical health education videos during the waiting period.

AV-over-AIoT
Application

Smart Education
Smart Manufacturing
Smart Transportation



Smart Healthcare
Smart Security
Smart Government

Solutions

Lecture Capture

Live Broadcasting

AV-over-IP

Video Conference

Remote Classroom

Smart Audio Visual

IP Surveillance

Cloud
Service



SPARK



Arec



Arec IVVC



Arec Media Center

Software
Module

Arec SDK

AREC
Recorder

AREC
Encoder

AREC
Decoder

AREC
Streamer

AREC
Switcher

AREC
VOD NAS

AREC
Live Engine

AREC
SpacesGate

Operating
System

ubuntu

Linux
POWERPC

android



Edge
Hardware



Embedded System



Tracking Cam

intel



Intel Platform

onyx



AECN



Capture Card



AI Acc.

EverFocus



Network Camera

Arec

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