



## Classroom

Price:

**£7,250**

A setup designed for learners to receive remote teaching in a classroom environment

### How it works:

The classroom setup is designed to deliver the typical classroom experience for learners, just with a remote teacher rather than one who is physically present. Designed for larger learning spaces of 30-60m<sup>2</sup>, it can accommodate up to 30 learners at one time.

#### Remote teaching

Here, the learners are taught from a screen and loudspeaker at the front of the classroom, with the lesson delivered by a teacher working remotely. The teacher may be working from a teaching pod or connected from another classroom on a different site.

#### Real-time video streaming

The high frame rate and zero latency of the video streaming gives a true-to-life classroom experience. It's like an invisible wall through to the other classroom or teaching pod. Learners will feel as though the teacher is there in the room with them. Optical zoom gives the teacher a view of the remote classroom, so this immersive experience works both ways.

#### Flawless audio feedback

The high-spec audio setup also helps to give this sense of immediacy. The audio pickup, placed at the top of the room, can determine the difference between background noise and the human voice. It's constantly calibrating itself to deliver the clearest, most natural feedback.

### Ideal for:

Learners receiving remote teaching

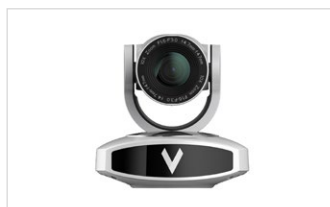
Large learning spaces of 30-60m<sup>2</sup>

Up to 30 learners in the classroom

Teacher may be teaching from a teaching pod, or another classroom

### What's included:

- ✓ Ultra high definition video streaming
- ✓ High definition content sharing
- ✓ 10 x optical zoom (class view)
- ✓ Wide audio pickup



# Vscene Space Solutions

## Screen Configuration

Single Display: 4K Ultra HD at 30 fps (Up to 16 viewable participants, Configurable layouts for participant video and content)

Dual Display: 1080p at 60 fps (Up to 32 viewable participants, Configurable layouts for participant video and content)

3 Displays: 1080p at 60 fps (Up to 64 viewable participants, Configurable layouts for participant video and content)

4 Displays: 1080p at 60 fps (Up to 120 viewable participants, Configurable layouts for participant video and content)

## Video Codec:

Native: H.264 SVC (UCIF Mode 2s), VP9 SVC, VP8

## Audio Codec:

Native: SPEEX Wideband Audio, up to 32 Khz sampling rate

## Live Resolutions (Transmitted):

1080p60, 1080p30, 720p60, 720p30, 540p30, 450p30, 360p30

## Live Resolutions (Received):

4K/ 2160p30, 1080p60, 1080p30, 1080p15, 720p60, 720p30, 540p30, 450p30, 360p30

## Max Data Rate:

Transmit: Up to 6Mbps

Receive: Up to 6Mbps

## Content Sharing

Content In: 1 x USB (Video+Audio, Up to 1080p30p with DVI/ HDMI to USB3 accessory included)

Resolutions: 2160p10fps, 1080p30fps, 720p30fps

Remote Display: Scales shared content from remote participants (up to 2160p) to screen resolution

Multipoint Content Sharing: Toggle to switch between shares from multiple remote participants

## Video Outputs

2 X HDMI 2.0, 2 x mDP (Mini Display Port to HDMI 1.4 adapters included)

## Camera Solution

Vscene-10 PTZ - 1080p / 60fps – 10X Optical Zoom, USB3, 60 Degree FOV

## Camera Control

VISCA (Rs232) - USB to serial port adapter (Included)

## Audio Solution

Nureva HDL300 Audio Conferencing System – 10m Microphone Pickup (audio breakout box - 10m Cat5E connection)

## Remote Control

RF remote control, tablet V-Room app and remote control API with support for Crestron and AMX

## Signalling Protocols

EMCP, SCIP

## Encryption

AES 256-bit, TLS, SRTP, HTTPS

## Monitoring

SNMP

## Network Interface

1x Gigabit Ethernet. Supports 10 BASE-T, 100 BASE-TX, & 1000 BASE-T, RJ45 port

## Languages

English, Chinese (Simplified or Traditional), Finnish, French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish

## Power Supply

Input 100-240V AC Input 50-60 Hz 2.0 A; Output 19V 6.32 A DC

## Environment

Operating Temperature Range: 0 to +50 °C (32 to 122° F)

Non-Operating Temperature Range: -40 to 60°C (-40 to 140°F)

## Safety & Regulatory

NRTL Tested for Safety to the following Standard: UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment -SafetyPart 1: General Requirements) CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements) Including the following additional standards: EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 (which includes all European national differences)

FCC (US), ICES (Canada), CE (EU), AS/NZS (Australia/New Zealand), CCC (China), EAC (Russia), NOM (Mexico), BSMI (Taiwan), MSIP (Korea)

Environmental: RoHS, EPEAT (Gold), CECP, CEC, Green PC Label, Eco Label and Greenmark compliant

## Dimensions

Height: 221mm x 142mm x 39mm Gross Weight: 1.3kg (2.87lbs)

## Operating System:

Windows IoT