



INTERACTIVE TRAINING

◉ Video & Power Point Training Webinar
for
2C Security Decoders & Software

◉ Specifications or supported features mentioned in this presentation
are subject to modification or change
◉ Internet required for You Tube video viewing

TRAINING OVERVIEW

- 2C SECURITY HARDWARE DECODER OVERVIEW
 - HD & 4K DECODER DECODER TYPES
 - DEALER SUPPORT & WARRANTY
 - DECODER SETUP
- 2C STREAM SOFTWARE ONLY OVERVIEW
 - TRIAL & PURCHASED VERSIONS & INSTALLATION
 - 2C STREAM SOFTWARE GUI OVERVIEW
- 2C STREAM SOFTWARE CONFIGURATIONS & SETUP FOR
 - IP SECURITY CAMERAS | MEDIA & STREAMING FILES
 - SETUP IN LEFT PANEL
 - CAMERA & RECORD MENU SETTINGS
 - SEQUENCE CONFIG MENU
 - HELP & SCREEN VIEW MENU
- ONLINE HELP, CAMERA SETUP & TROUBLESHOOTING
(VIDEO PART 1-8)
WWW.2CSECURITY.COM

2C SECURITY DECODER TYPES



2C SECURITY HD DECODER

(SKU # 2C1)

Cameras

- Controls up to 4 1080p and 2 4k Cameras decoded to 1080p- 10-30 FPS in one matrix
- Up to 64 cameras can be decoded and sequenced at one time
- Sequence numerous 1080 or 4k cameras (decoded at 1080p)- 10-30 FPS in many layout situations

Media

- Playback 4K media video file up to 4K2K at 30 FPS , 2 1080p video media files & numerous image files in one matrix
- Sequence numerous images, 1080 or 4k videos or camera feeds in many layouts situations
 - Single or Dual Monitor Clone (1 1080/4k Monitor out via mDP to DP - 1 1080/4k 30 FPS out HDMI)
 - Up to two 4k monitors supported (Duplicate Displays Only) on both mDP and HDMI Ports
 - HDMI 1.4 + mini-DP Port (mini-DP or DP out only)
 - Dual Graphics Display
 - Decode 4K Video at 1080p mode or Playback Videos at 4K2K UHD

Additional Features:

- Gigabit LAN & Wifi, 4GB RAM, 32 GB HD
- 5.1 HD audio subsystem via HDMI 1.4 interface or Stereo (headphone input)
- Windows 10 IoT Enterprise
 - * Includes Wireless Mouse & Keyboard
 - * Includes [2C Stream software](#)
 - * Includes 1 Year Warranty (Optional 3 Year Warranty)



2C SECURITY 4K DECODER

(SKU # 2C1D)

Cameras

- Controls up to 9 1080 and 4 4k Cameras 10-60 FPS in one matrix
- Up to 64 cameras can be decoded and sequenced at one time
- Sequence Up to 64 cameras at one time in different windows and layouts

Media

- Controls up to 2 4k media video file at 60 FPS , up to 4 1080p video media files & numerous 4k image files in one matrix
- Sequence numerous images, 1080 or 4k videos at 60 FPS in many layout situations or one window
- Single or Dual Monitor Control (1 1080/4k Monitor out via HDMI 2.0- 1 1080 out via VGA)

Additional Features:

- Support for user-replaceable 3rd-Party lid branding for Security Partners
- 5.1 HD audio subsystem via HDMI 2.0 interface or Stereo (headphone input)
- Windows 10 IoT Enterprise
 - * Includes Wireless Mouse & Keyboard
 - * Includes [2C Stream software](#)
 - * Includes 1 Year Warranty (Optional 3 Year Warranty)

2C SECURITY DECODER WARRANTY



2C SECURITY HD DECODER

(SKU # 2C1)

- ✓ 1 YEAR WARRANTY
- ✓ 3 YEAR WARRANTY OPTIONAL
- ✓ SOLD THROUGH DEALERS



2C SECURITY 4K DECODER

(SKU # 2C1D)

- ✓ 1 YEAR WARRANTY
- ✓ 3 YEAR WARRANTY OPTIONAL
- ✓ SOLD THROUGH DEALERS



DECODER SETUP

⦿ Hardware Configuration Setup
for
HD & 4k Decoders



2C SECURITY DECODER FIRST TIME SETUP INSTRUCTIONS

1. Plug in the provided power supply to HD OR 4K Decoder.

(4K decoder power supply you must add the 110v adapter and slide into the power box.)

2. Turn on the provided wireless keyboard (top right switch) and mouse (bottom of mouse switch). -Place any batteries in the keyboard or mouse as well. - Plug wireless mouse AND Keyboard USB adapter into front or rear USB port.

3. Plug a Ethernet cable into your network router and into the Ethernet port on the back of the decoder.

(Cable Not included).

4. Plug in HDMI, VGA or Mini DP to DP Cable from Monitor to Decoder.

5. Once the decoder has been powered and is established on your network -

-CLICK the 2c Stream icon on the desktop to activate the 2c Stream software (or the program will auto boot and run on first boot up).

6. Click X on top right of program to exit and return to desktop.



2C STREAM CMS SOFTWARE



2C CMS

2C STREAM TRIAL VERSION

(SKU #)

- ✓ FREE EXPIRING TRIAL FOR 30 DAYS
- ✓ PERFECT FOR EVALUATION
- ✓ WINDOWS 10 ONLY
- ✓ DOWNLOAD AT 2CSECURITY.COM



2C CMS

2C STREAM PURCHASED VERSION

(SKU # 2CTREAM21)

- ✓ 30 DAY SUPPORT WARRANTY
- ✓ OPTIONAL EXTENDED SUPPORT PLANS
- ✓ WINDOWS 10 ONLY
- ✓ LICENSE SOLD THROUGH DEALERS
- ✓ GREAT FOR A CENTRAL MANAGEMENT PC OR BROADCAST TO SPOT MONITORS VIA SPECIAL HDMI EXTENDED ADAPTERS

2C STREAM CMS SOFTWARE INSTALL



2C CMS

2C STREAM TRIAL VERSION

(SKU #)

- ✓ WINDOWS 10 ONLY
- ✓ DOWNLOAD & FOLLOW INSTALLATION PROMPTS
- ✓ REBOOT PC
- ✓ FREE EXPIRING TRIAL FOR 30 DAYS
- ✓ PERFECT FOR EVALUATION
- ✓ DOWNLOAD AT [2CSECURITY.COM](https://www.2csecurity.com)



2C CMS

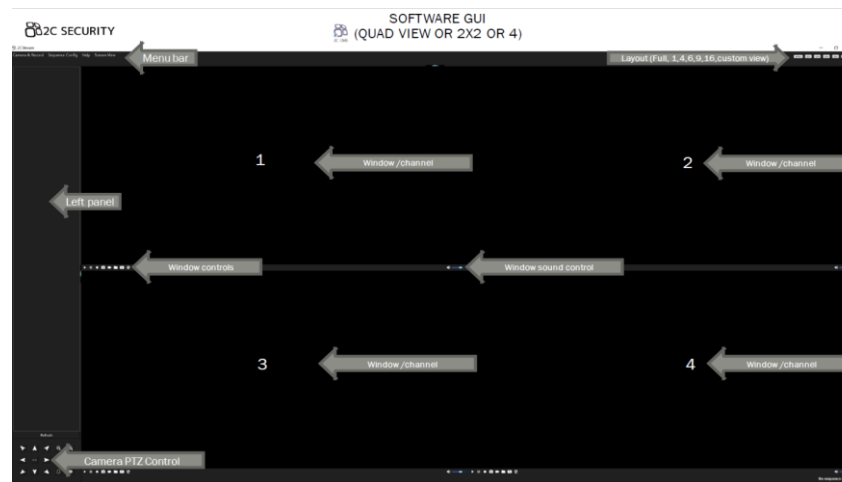
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GRAPHIC USER INTERFACE

UI Overview



[WATCH](#) UI Overview
Part 1

IP SECURITY CAMERAS

⦿ Configuration Setup
for
Decoders and Software



2C SECURITY IP CAMERA SUPPORT DECODERS & SOFTWARE

- ✓ Auto Detects Most ONVIF Compliant IP Security Cameras on The Market.
- ✓ IP Cameras Support | Arecont, Axis, Bosch, Canon, Cisco, D-Link, Geo Vision, Hanwha Techwin, Hikvision, JVC, LG, Logitech, Panasonic, Pelco, Samsung, Sony, Vivotek, & Most ONVIF Compliant Devices.
- ✓ IP Camera Protocols | RTSP, RTP, ONVIF -Profile S, G, C, Q.
- ✓ IP Camera | Audio - g.711, g.726, AAC | Codecs - h.264, h.265, MPEG-4, MJPEG.
- ✓ Manually Enter RTSP Streams or HTTP: or HTTPS:

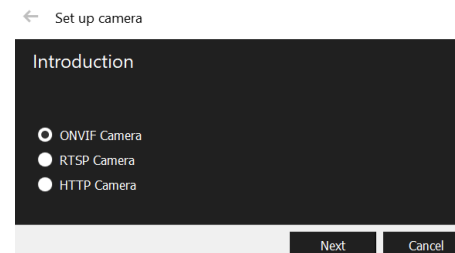
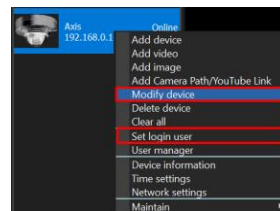
RTSP Example:

Axis
rtsp://admin:admin@192.168.1.20/mpeg4/media.amp

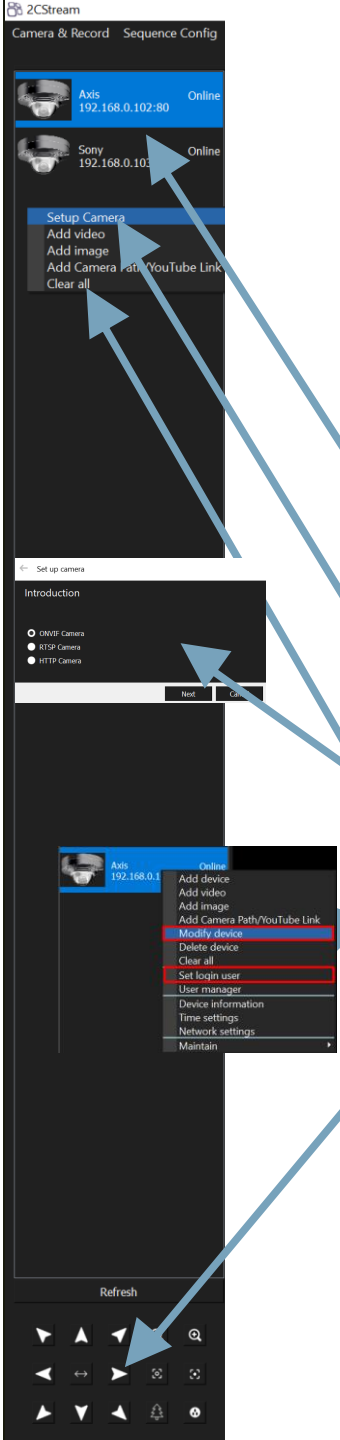
HTTP: Example:

BOSCH
http://admin:admin@192.168.0.100/snap.jpg

- ✓ 4 ways to add cameras: Auto Detection, Manual Camera Network Setup, RTSP stream or HTTP(s) Stream



2C SECURITY IP CAMERA SETUP IN DECODERS & SOFTWARE Left Panel View



Panel view

Panel view of auto detected cameras or manually add a camera.

Auto detected cameras on network

RIGHTclick each **AUTO DETECTED** cameras in panel view and choose **Setup Camera** to setup username and password of cameras then **ADD** then right click camera again and **Set login user** to set camera.

Manually add cameras

Setup Camera or Device by right clicking left panel and click **Setup Camera**.


Walk through the camera setup wizard. Manually add camera streams, **RTSP:** or **HTTP:/HTTPS:**


Clear and delete devices or media files in view panel by clicking **Clear all**.

PTZ camera control

Some cameras that have PTZ can be controlled with these PTZ functions.

(**Note:** You must click on the window the camera is in and highlight camera in left panel to control).

 [WATCH](#) SETTING UP A
CAMERA IN LEFT PANEL
Part 2

 [WATCH](#) CAMERA SETUP &
TROUBLESHOOTING
Part 6

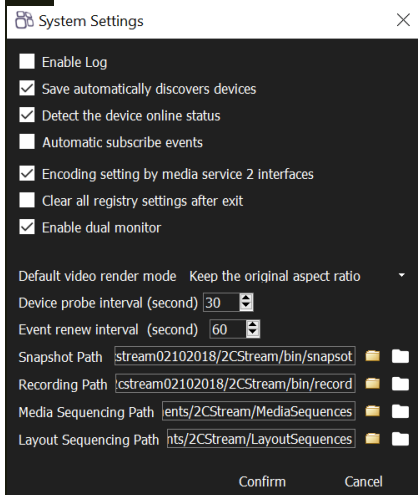
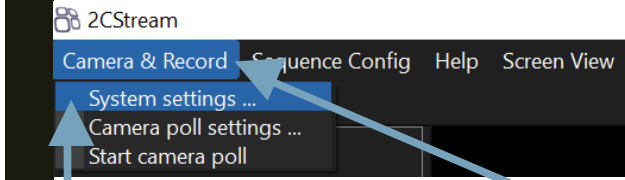
2C SECURITY IP CAMERA SETUP IN DECODERS & SOFTWARE

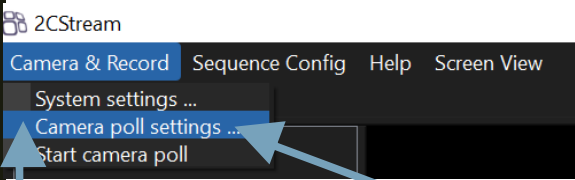
Camera & Record menu

System Settings Menu

Configure system settings of cameras, dual monitor control, saving paths and support configuration options.

- ✓ **ENABLE LOG-** CREATES A LOG FILE IPSEEXXX.TXT FILE FOR CAMERA CONNECTION TROUBLESHOOTING
- ✓ **SAVE AUTOMATICALLY DISCOVERS DEVICES-** AUTOMATICALLY FINDS MOST ONVIF COMPLIANT IP CAMERAS ON THE NETWORK
- ✓ **DETECT THE DEVICE ONLINE STATUS-** DETECTS IF THE CAMERA IS OFFLINE OR ONLINE (SHOWS IN LEFT PANEL OF CAMERA)
- ✓ **AUTOMATIC SUBSCRIBE EVENTS-** ENABLES SUBSCRIPTION OF EVENTS TO BE SHOWN AND LOGGED INTO CAMERA EVENTS (MUST SUBSCRIBE TO EVENTS WHEN YOU RIGHT CLICK CAMERA SETTINGS).
- ✓ **ENCODING SETTING BY MEDIA SERVICE 2 INTERFACES-** ONVIF SPECIAL ENCODING ENABLING OF MEDIA 2 INTERFACES
- ✓ **CLEAR ALL REGISTRY SETTINGS AFTER EXIT-** THIS SHOULD ONLY BE CHECKED IF A SUPPORT TECHNICIAN RECOMMENDS. THIS SETTINGS WILL CLEAR ALL REGISTRY SETTINGS IN THE REGISTRY FOR 2C SECURITY.
- ✓ **ENABLE DUAL MONITOR-** ENABLES EXTENDED DISPLAY IN WINDOWS TO RUN THE PROGRAM ON TWO MONITORS INDEPENDENTLY.
- **DEFAULT VIDEO RENDER MODE-** ANY CAMERA COPIED INTO A WINDOW WILL KEEP ORIGINAL ASPECT RATIO OR FILL WHOLE IN WINDOW.
- **EVENT RENEW INTERVAL-** CAMERAS THAT SUSCIBE TO EVENTS THEN THE EVENT WILL RENEW EVERY X SECONDS CHOSEN.
- **SNAPSHOT,RECORDING, MEDIA SEQUENCING, LAYOUT SEQUENCING PATHS-** LOCATION OF PICTURES TAKEN BY SNAPSHOT, RECORDING TAKEN BY RECORD BUTTON IN WINDOWS, MEDIA SEQUENCE FILE LOCATIONS AND LAYOUT SEQUENCE FILE LOCATIONS. YELLOW FOLDER TO SAVE FILES AND WHITE FOLDER TO OPEN LOCATION OF THOSE SAVED FILES.





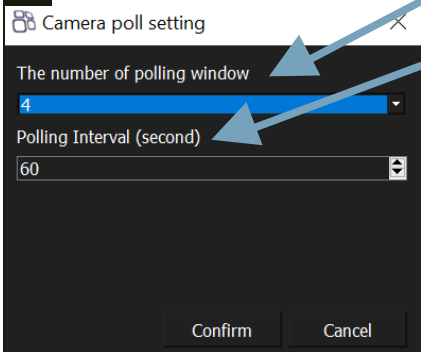
2C SECURITY IP CAMERA SETUP IN DECODERS & SOFTWARE

Camera poll settings menu

Camera poll settings Menu

Push 4 to 16 cameras into viewing windows automatically

- ✓ **THE NUMBER OF POLLING WINDOW-** POLL 4 TO 16 CAMERAS AUTOMATICALLY AND WHEN YOU GO BACK INTO PROGRAM. A SIMPLE WAY TO PLACE ALL CONFIGURED CAMERAS INTO WINDOWS. EASY WAY TO SEE CAMERAS WITHOUT SEQUENCING.
- ✓ **POLLING INTERVAL-** CUSTOMIZE POLLING OF CAMERAS IN REFRESH SECONDS
- ✓ **START CAMERA POLL-** STARTS THE CONFIGURED POLL SETTING AND REMEMBERS THIS SETTING AFTER EXIT.



[WATCH](#) SETTING UP
CAMERA POLLING VIDEO
Part 3

2C SECURITY IP CAMERA SETUP & MEDIA FILES IN DECODERS & SOFTWARE

Adding objects in Windows



Right Click Window for Menu

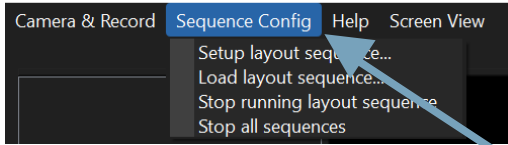
- ✓ Setup individual windows to **Open & add media** like videos or images.
- ✓ **Open camera path** for RTSP streams like cameras and You Tube videos.
- ✓ **Open URL** to open a web page.
- ✓ View window in **Full screen**.
- ✓ Create a **Media sequence** within that window. (See *tutorial video below*)
- ✓ **Hide the menu bar** that shows snapshot, record, and other buttons at bottom of window.

Open media
Open Camera Path/YouTube Link
Open URL
Full screen
Media sequence
Hide menu bar



[WATCH](#) SETTING UP A
MEDIA SEQUENCE VIDEO

Part 4



2C SECURITY IP CAMERA SETUP IN DECODERS & SOFTWARE Sequence Config menu

Sequence Config Menu

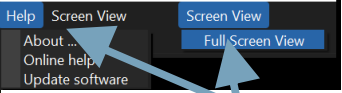
Setup layout sequences to run in single or dual monitor mode and with different style layouts 1x1, 1x2, 2x1, 2x2, 3x3, 4x4 up to a 8x8.

- ✓ **SETUP LAYOUT SEQUENCE**-A WIZARD WALKS YOU THROUGH SETTING UP A LAYOUT SEQUENCE. YOU CAN ALSO CHOOSE TWO SCREENS AND SEND LAYOUTS TO TWO SCREENS OR MONITORS. YOU CAN ALSO LOAD A SEQUENCE FROM A PREVIOUS DESIGNED SEQUENCE AND CUSTOMIZE.
- ✓ **LOAD LAYOUT SEQUENCE**-LOAD A PREVIOUS SAVED SEQUENCE AND RUN.
- ✓ **STOP RUNNING LAYOUT SEQUENCE**-STOPS RUNNING ANY SEQUENCES.
- ✓ **STOP ALL SEQUENCES**-STOPS ANYTHING RUNNING IN ALL WINDOWS. BASICALLY AN EMERGENCY STOP OR SHUTOFF.



[WATCH](#) SETTING UP A
LAYOUT SEQUENCE VIDEO

Part 5



2C SECURITY IP CAMERA SETUP IN DECODERS & SOFTWARE

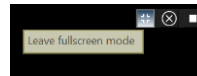
Help & Screen View menu

Help Menu

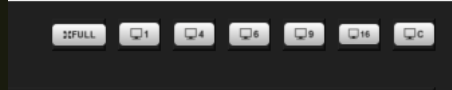
- ✓ You can click **Help** to see version in **About**, visit 2csecurity.com for **Online help** or update the software version by clicking **Update software**.

Screen View Menu

- ✓ You can click **Screen View** then **Full Screen View** to hide panels and only show windows. You can exit full screen by clicking top right button **leave fullscreen mode** or use **ESC** key on keyboard.
- ✓ You can also hide left and top menu bar by clicking the blue arrows.

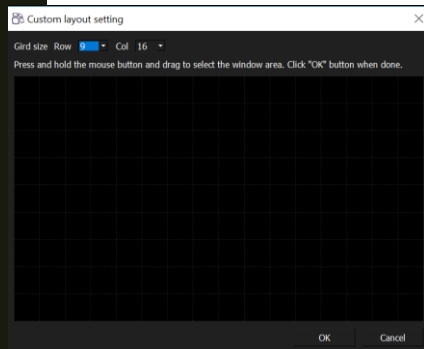


2C SECURITY IP CAMERA SETUP IN DECODERS & SOFTWARE Changing Window Layouts



Window Layout Menu

Setup window layout to show in **Full** screen, **1** window, **4** windows (QUAD 2x2), **6** windows, **9** windows, **16** windows or **C** for custom windows.



✓ **CUSTOM LAYOUT-** CHOOSE GRID ROWS AND COLUMNS THEN LEFT MOUSE CLICK HOLD AND DRAG AREAS TO DESIGN.

(Note: Custom layouts cannot use layout sequencing only media sequencing).



[WATCH](#) CAMERA SET UP &
TROUBLESHOOT VIDEO

Part 6

2C SECURITY IP CAMERA SETUP IN DECODERS & SOFTWARE

Menu Bar in Windows

Menu Bar in Window Bottom



- ✓ **PLAY BUTTON**- Plays video files that were added to window.
- ✓ **PAUSE BUTTON**- Pauses video in window (Note auto loop is also shown and is enabled when video or you tube links start).
- ✓ **STOP BUTTON**- Stops all videos or You Tube links.
- ✓ **SNAPSHOT**- Takes a snapshot of camera video and stores files in the designated path in Camera & Record Settings. Images are saved as **.JPG**.
- ✓ **RECORD**- Records video from cameras and stores the files designated in the recording path in Camera & Record Settings. Files are recorded as **.AVI** files.
- ✓ **OPEN FOLDER**- Look for image or video files on hard drives or flash drives to add to windows.
- ✓ **OPEN RTSP CAMERA STREAM OR YOU TUBE URL**- Copy a stream or url from You Tube or a created RTSP camera stream. (**Note:** Not all You Tube video links work due to Google copyright policy).
- ✓ **OPEN BROWSER**- Copy a web page address into window.
- ✓ **SOUND CONTROL**- Mute or adjust volume of sound in window.





PART 1-8 VIDEO TRAINING

[Watch \(Part 1-8\)](#)

Bonus footage (Part 7,8) includes Media & Sensors

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