INSTALLATION INSTRUCTIONS
PT-A-601, 602, 603, 604, 607 and 610
PRISONER TRANSPORT VIDEO SYSTEM EQUIPMENT
* Camera systems must be used with rear compartment dome lights <u>ON</u>. *
This system does not support audio or audio recording

TOOLS REQUIRED:

Powered Drills (3/8" & 1/2")	Wire Crimping Tool	4 ½" Hole Saw or Jig Saw Standard
Socket Set	Drill bit Set	Ratcheting Wrench

HARDWARE and parts for PT-A-601/602/603/604

QTY	DESCRIPTION	PART #
2/4/6/6	#10 x 1/2" Flat head machine screw	16487
4/8/12/12	#10 Keps nut	16017
3/6/9/9	#10 x 3/4" Flat head sheet metal screw	16414
2/4/6/6	10-32 x 1/2" Machine screw	16721

Only on PT-A-604 (for exterior camera bracket mounting)

QTY	DESCRIPTION	PART #
2	#10 X 3/4" Pan Head Sheet metal screw SS	16656

MAIN VIDEO SYSTEM COMPONENTS

| QTY	DESCRIPTION	PART#
1	Panavise Monitor mount bracket	16891
1	Voyager 7" LCD Monitor with two (2) harnesses	16877
1/2/3/3	6" Round 1/4" Lexan cover	20013
1/2/3/3	Camera mounting bracket	18287
2/2/3/4	Voyager 25 ft. Camera cable	16882
1/2/3/4	Interior/ Exterior Color Camera	16888

PT-A-607 Clear Polycarbonate guard/Camera mount kit (Option only used for Customer Supplied Camera System)
Not needed for PT-A-601, 602, 603 and 604 kits because parts are already included.

| QTY	DESCRIPTION	PART#
3	Camera mounting bracket	18287
3	Clear Polycarbonate dome covers	20013
12	10-32 Keps nut	16017
9	#10 x 3/4" Flat head sheet metal screw	16414
6	10-32 x 1/2" Flat head sheet metal screw	16487
2	#10 x 3/4" Sheet metal screw	16656
6	10-32 x 3/8" Machine screw	16721

PT-A-610 Digital Video Recorder kit (Optional)

QTY	DESCRIPTION	PART#
1	Voyager 25 ft. Camera cable	16882
1	Wireless Mouse	40430
1	SSD Hard Drive	40535
1	DVR with standard parts and cables	42978
1	Cable Male CEC to Female CEC	42979
4	Cable Female CEC to Male CEC	42980
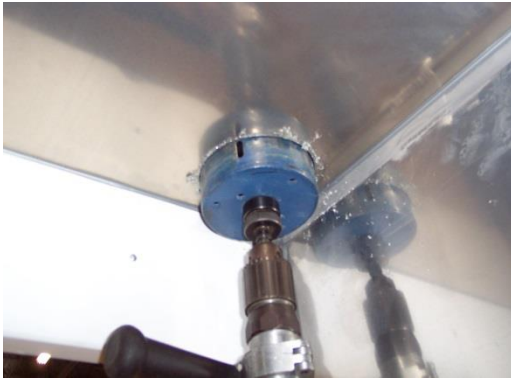
Determine mounting location for camera and mark hole. Be sure to make sure the polycarbonate dome cover fits properly before drilling 4 ½" hole. Take caution not to drill into any wires.

Once hole is drilled, deburr the metal. Reach through the opening and pull the camera cable through the opening.
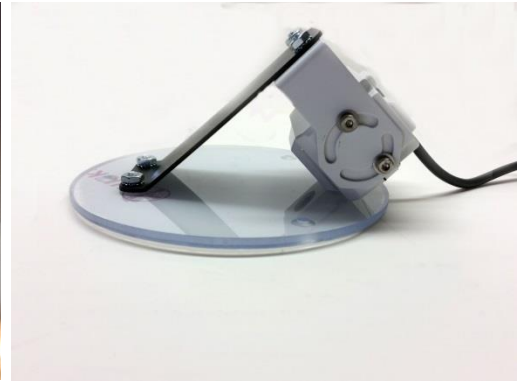
Attach camera to the Camera mounting bracket using two (2) 10-32 x 1/2" bolts and 10-32 keps nuts. Attach the bracket to the cover with two (2) 10-32 flat head screws and keps nuts.

Wire system according to manufacture recommendations included within video system component boxes and the wire diagram supplied in this instruction

Plug camera cable into one of the camera assemblies. Turn on system. Position the camera to obtain optimal visibility within the compartment. *You will need two people for this step.*

Mark holes on the ceiling and pre-drill with 1/8" drill bit. Reposition camera assembly and mount using #10 x 3/4" Flat head sheet metal screws.
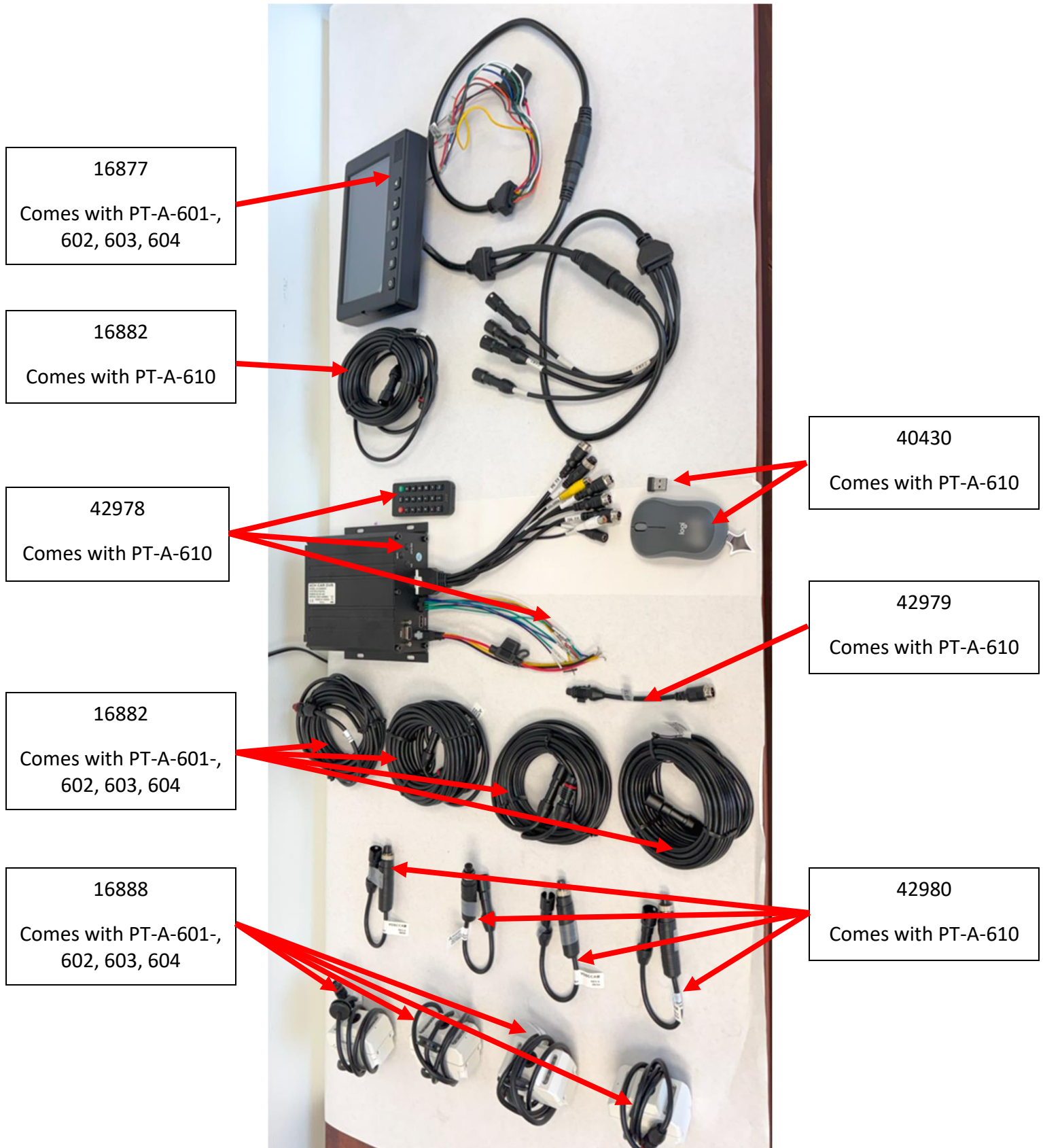

Repeat steps for remaining cameras.

View of third compartment setup.

Note: Cameras come standard with night vision LED lighting. However the night vision LED does not work correctly because of reflection off of the ceiling mounted vandal proof guard. **Using rear dome lights when cameras are in use is always recommended to solve this issue.**

Mount external camera in desired location. If being used for viewing when backing up install camera on backside of roof as close to center as possible. The "U" shape bracket included with camera should work in most applications.

16877

Comes with PT-A-601-, 602, 603, 604

16882

Comes with PT-A-610

42978

Comes with PT-A-610

40430

Comes with PT-A-610

42979

Comes with PT-A-610

16882

Comes with PT-A-601-, 602, 603, 604

16888

Comes with PT-A-601-, 602, 603, 604

42980

Comes with PT-A-610
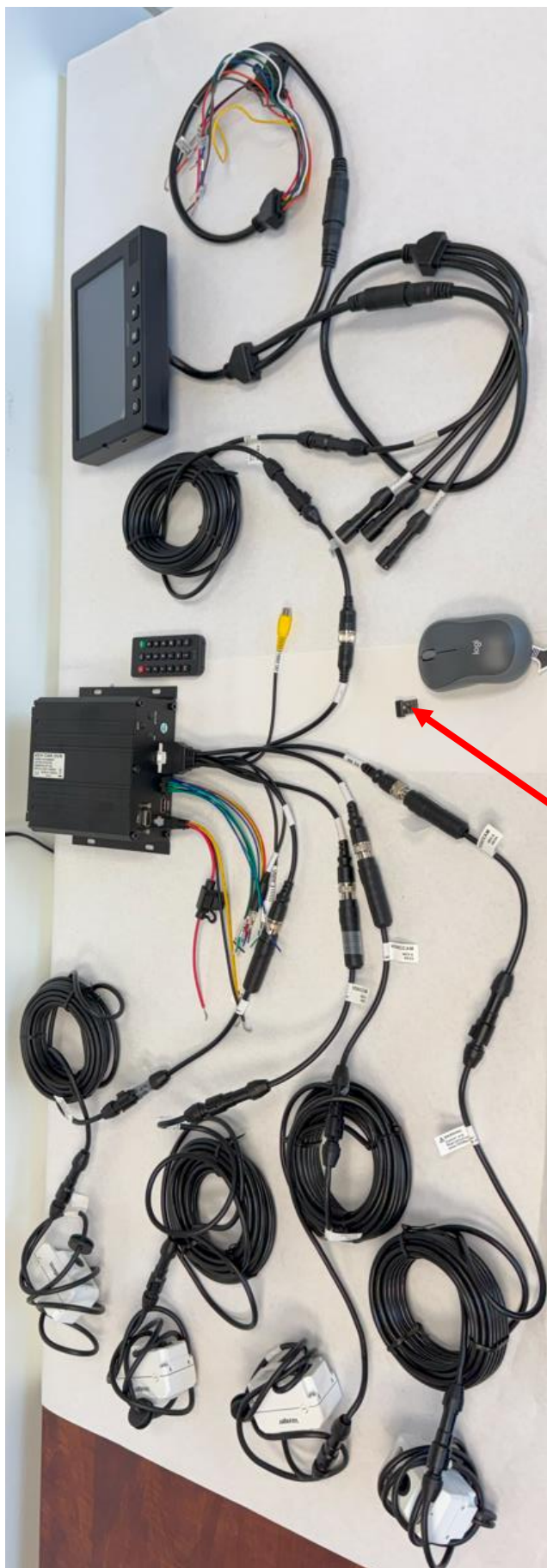
See Voyager instructions included with monitor for operation, warranty details and additional details Also see Voyager instructions for warranty details and Tech Support information.

From the monitor 16877 only Cam 1 cable is used. Attach Cam 1 cable to 16882. Attach 16882 to 42979, Attach 42979 to AV out on 42978 DVR
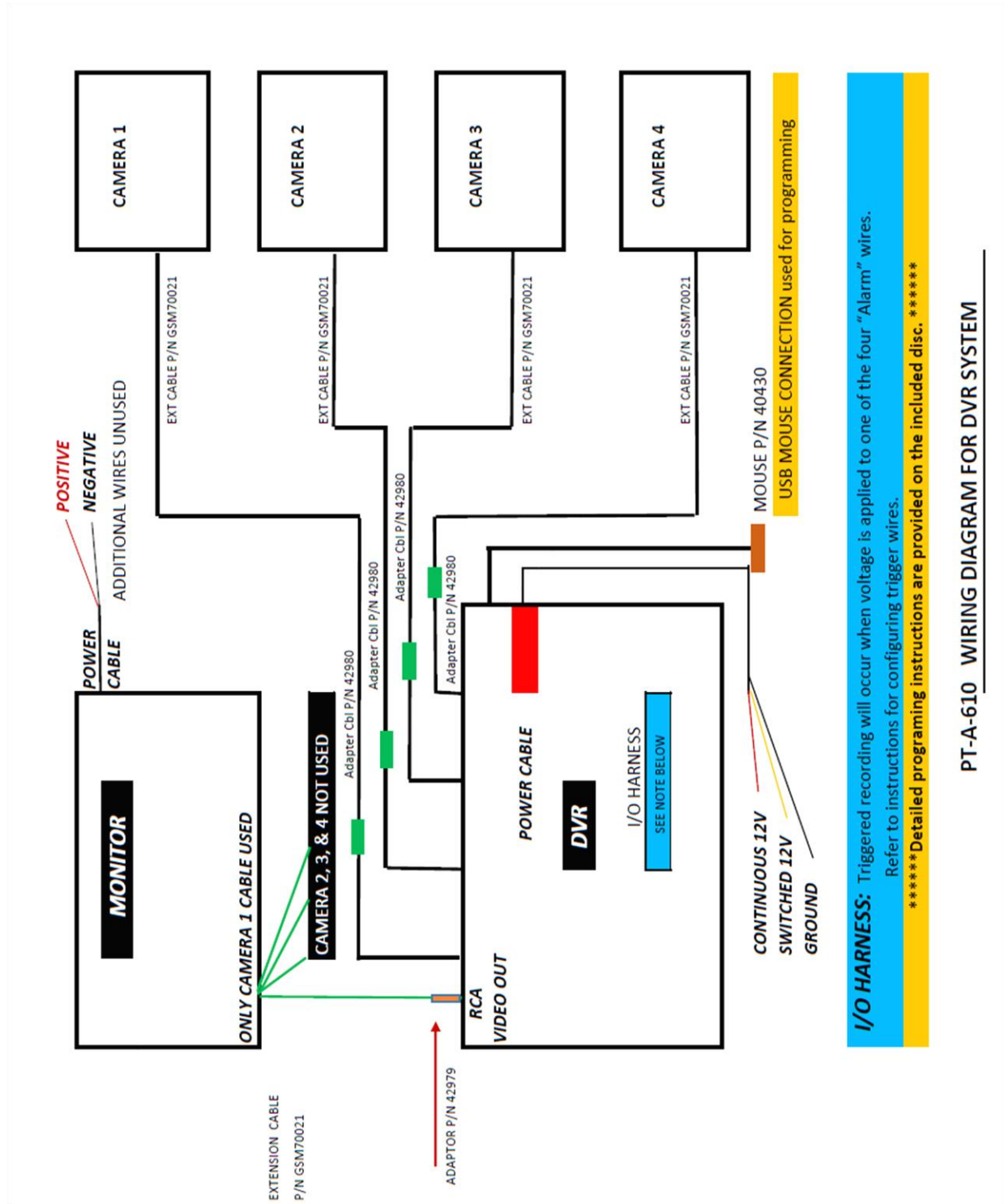
Trigger wires on the monitor are not used

Attach mouse fob to receptacle for programming

Attach cameras 16888 to 16882. Connect 16882 to 42980 then to AV in 1-4 as required on the DVR

16882
25 ft. Camera extension cables are installed here.
One (1) per camera.

**Note: Camera plugs fit tight. Be sure to firmly push connectors together.**

HAVIS
Productivity in motion

CAMERA 1

CAMERA 2

CAMERA 3

CAMERA 4

EXT CABLE P/N GSM70021

EXT CABLE P/N GSM70021

EXT CABLE P/N GSM70021

EXT CABLE P/N GSM70021

MOUSE P/N 40430

USB MOUSE CONNECTION used for programming

POSITIVE

NEGATIVE

POWER CABLE

ADDITIONAL WIRES UNUSED

Adapter Cbl P/N 42980

Adapter Cbl P/N 42980

Adapter Cbl P/N 42980

Adapter Cbl P/N 42980

MONITOR

ONLY CAMERA 1 CABLE USED

CAMERA 2, 3, & 4 NOT USED

POWER CABLE

DVR

I/O HARNESS

SEE NOTE BELOW

CONTINUOUS 12V

SWITCHED 12V

GROUND

RCA VIDEO OUT

ADAPTOR P/N 42979

EXTENSION CABLE P/N GSM70021

I/O HARNESS: Triggered recording will occur when voltage is applied to one of the four "Alarm" wires.
Refer to instructions for configuring trigger wires.
******Detailed programing instructions are provided on the included disc.******

PT-A-610 WIRING DIAGRAM FOR DVR SYSTEM

PT-A-610 DVR
Supplemental (Simplified) Instructions

> **NOTE: Any system programing requires a mouse plugged into the <u>USB PORT of the DVR</u>** The ONLY wires that need to be connected are the three wires on the power harness:

   a. Red – continuous 12 volts

   b. Yellow – switched 12 volts

   c. Black – ground

2) When voltage is removed from the yellow wire, the system will continue to record for a preselected period of time. The default period is 2 minutes. That time period can be adjusted in the menus.

3) To navigate and play back video or modify the menu settings, either use the included remote, or connect a USB mouse to the USB port on the DVR

4) If you are encountering a blue screen on start up please adjust the video format to PAL on the monitor.
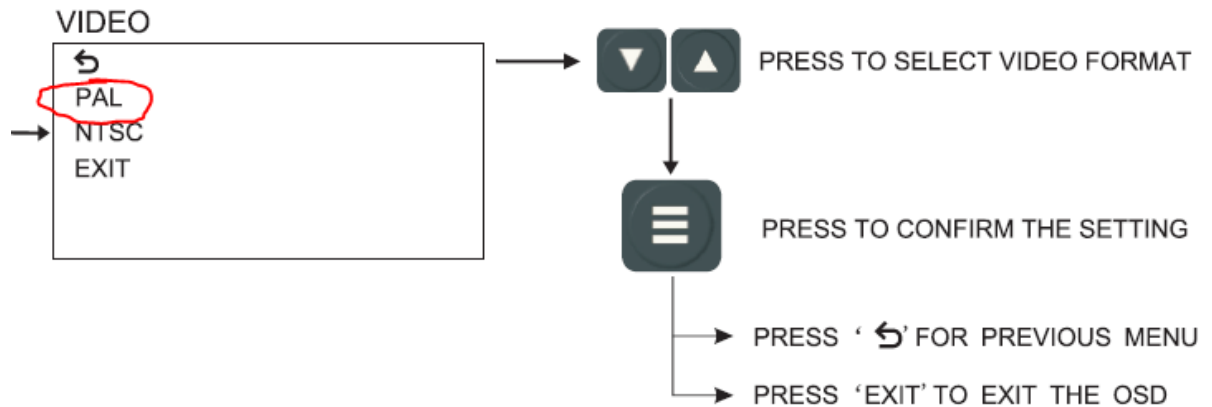
5) For technical support on video system components and operation please contact RVCams 225 261 9946