

# IATSE Local 31 Stagehand Basics: Video

Video: Deals specifically with the set-up/operation of Projectors, TVs, Video Walls, Screens.  
Often will be working directly with the client.  
Positions include: Video Director, Switcher, Graphics, Shader, Camera Op, Cable Pager.

Basic Video Tools: Leatherman, Pen/Pencil/Sharpie, Flashlight, Gloves, Video/Audio Adaptors to Test AV Sets.



**HDMI: Signal**  
Short\*TVs  
Computers



**VGA : Signal**



**DVI : Signal**



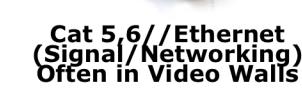
**SDI: Signal**  
Used for  
Long Distances



**1/4" Cable**  
Adapts to 1/8" or XLR  
(Laptops/Phones -  
Sending to Audio Mixer)



**Audio DI**  
(Signal  
Converter;  
to Audio  
Mixer)



**Cat 5.6//Ethernet**  
(Signal/Networking)  
Often in Video Walls



**TVs**  
Come in many sizes.  
Can be used on the Floor  
as Confidence Monitors,  
Or on Stands.

They do not always come  
in robust cases  
Be mindful of them and  
keep the Cardboard for  
Load Out.

Sometimes they do not have  
internal speakers.



**Decimator/Signal Converters**  
Or DA (To Split the Signal)  
HDMI to SDI  
SDI to DVI



**Computer: Mac or PC**  
Source for Content  
Many Different Softwares  
\*Video Playback\*  
\*Powerpoint/Keynote\*

**Common Video Signals**  
1080i, 1080p, 720p, SD480i  
Often gear added in line  
will convert the signals so that  
a TV or a Projector can  
"see" the content being sent from  
the Computer/Camera/Playback  
Device



**Fiber: Signal**  
Often for Cameras  
Many Connectors



**Triax:**  
Signal and Com for  
Cameras  
Often on a Spool



**Robo Camera**  
Can be Mounted to  
Truss  
or On a Stand  
Controlled near  
Switcher



**Camera**  
Can be on a Tripod  
or  
**Handheld**  
You are responsible for its safety



**Screens**  
Many Sizes & Aspect Ratios  
Ground Supported or Hung  
Option for Dress Kit

Be mindful  
of the surface when  
building them, they  
need to be kept pristine

**Projector**  
Variety of Sizes, Can be Ground  
supported on Scaffold/Deck  
or Flown on Truss



**Video Switcher**  
Controls what is shown  
on the Screens/Video Wall/  
TVs  
Multiple Inputs and Outputs



**Edison: Quad Boxes, Splitting  
Power without Breakers**



**Edison: 120v**  
(Stage Power/Most Common)



**L6-20**  
(20Amp/208v)



**L6-30**  
(30Amp/208v)



**Edison Breakout**  
(Male Soca to  
Female Edison Can  
be 120v or 208 Be  
Careful!!)



**L21-30 to Edison**  
Can be A Fan Out or Box (120v)



**Powercon & Powercon True1**  
(120v or 208v)  
Video Wall



Sizes Usually  
Noted on Cases

\*Surface/Frame\*  
\*Legs\*  
\*Dress Kit\*  
Often come in  
Separate cases

**Working with the Leads is Very Important when packing delicate gear away. Many Companies have very specific ways to protect their investments, be mindful and careful.**

\*Learn how to coil cable: Over/Under is common\*  
When Coiling Separate by Type/Length

Cable Management is a large part of a Video Hands Job. Keeping things tidy and run together helps with paths for the Talent and Clients.

Most Companies follow a similar Cable Labeling Guide for Lengths, but they can be unique. (Look for a "Key")  
The Cable is usually labeled near the connectors in Stripes of Tape or Shrink Tube. Sometimes it is text.  
This is also where companies put their labels to indicate ownership, remember to not mix up gear.  
If the Cable is Longer than 100' Just count up the Stripes of color. 1 Yellow + 1 Orange = 150'

- 5'- Red
- 10'-Green
- 15'-Blue
- 25'-Purple
- 50'-Orange
- 75'-Grey
- 100'-Yellow