

# Video Cable Reso

What signals does this cable carry?

What is the signal quality / strength? (How do we

What is the maximum recommended distance for

How easy is it to extend the range

How easy is it to split / duplicate the signal?

Average Cost? (In Melbourne 2012, per metre?)

Are there any compatibility issues?

Advantages / Disadvantages?

Disadvantages

## VGA

Analogue / RGB

up to HD 1080P, lower preferred.

15 to 40m

signal amp

Splitters. Unpowered + powered

40c to \$1

digital to analogue / multi protocols

common / Noise.

## DVI

Digital video stream

dependent on cable length up to

HD to 5m

DVI booster

DVI splitter / no power

\$3

many variants of DVI

good quality

can't do HD long distance

## Display Port

Digital video + audio, USB + data

4K video + higher

3m passive 30m active

not easy, extend over fibre.

powered splitter / amplifier

\$7-12

no analogue devices

high-res + multi displays, self-latching

expensive / rare / DRM HDCP

## HDMI

Digital audio video high resolution

1080P

15m

Booster boxes. Cat 5 / fibre.

HDMI splitter

\$10-15

audio issues /

high quality

transmission issues?

## Fibre Optic

light

dependent on encoders / decoders

30-100km

Optical splitter

\$3 - \$50

encoders / decoders

Can't be interrupted / degraded

Expensive, fragile.

## RCA / Composite

audio + video signals ( analogue )

480i / 576i

it can vary

extension.

RCA splitter

25c - \$2

analogue issues

cheap.

low-resolution

## SDI

Digital video + audio + timecode + closed captions

480i to 1080P

300m lo-res, 100m HD

Fibre

Coaxial splitter

60c - 1.50

unencrypted, hi def. cheap cable

Only in pro equipment.

## S-Video

analogue video only

480i / 576i

150 ft

Extended cables

S-Video splitter

\$2-\$8

analogue issues

analogue friendly

poor quality

## Component Video

analogue RGB video / no audio

480i up to 1080P

100ft standard, up to 500 ft with low loss

Extension.

Active splitter.

## Thunderbolt

data signal 20 gbs , display port

under 3m

Daisy chained / hubbed

\$2

\$25

analogue

order of daisy chaining

RGB as separate cables.

Linking devices.

analogue.

Rare. Security issues.