Screen A2 Stopwatch

Screen A1 Stopwatch

Camera

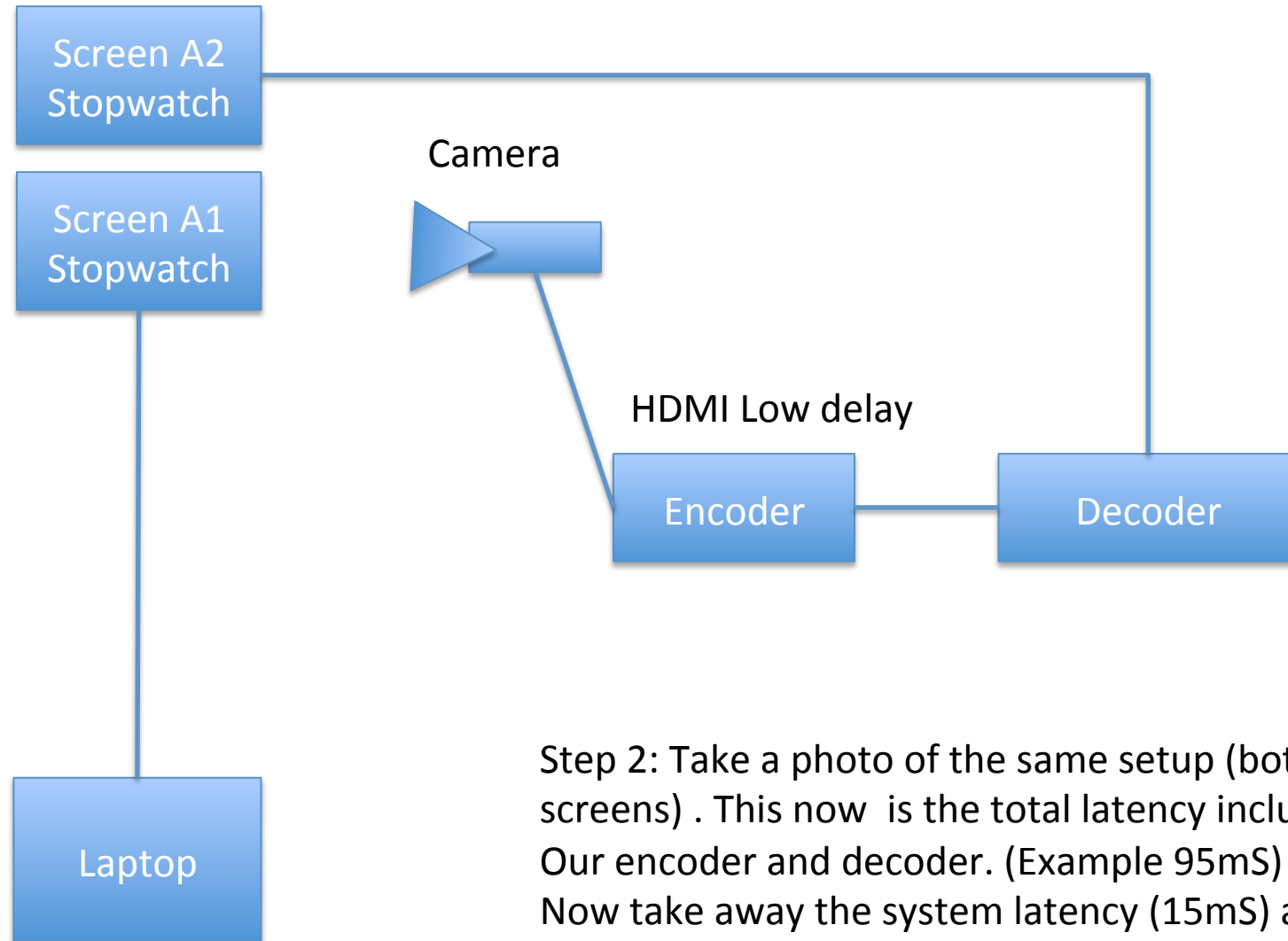HDMI Low delay

Encoder

Decoder

Laptop

Step1 : take a picture of both screens to check latency
Of the camera and both screens. Take away stopwatch
Time A2-A1 . This will be the latency in your test system
And camera etc. (example 15mS)

Screen A2
Stopwatch

Screen A1
Stopwatch

Camera

HDMI Low delay

Encoder

Decoder

Laptop

Step 2: Take a photo of the same setup (both
screens) . This now is the total latency including
Our encoder and decoder. (Example 95mS)
Now take away the system latency (15mS) and what
Is left is the latency added by encoder plus decoder

This is truly measuring HDMI to HDMI latency