

TRANSMITTING DEVICE, TRANSMITTING METHOD, RECEIVING
DEVICE, RECEIVING METHOD, TRANSMITTING/RECEIVING SYSTEM,
AND CABLE

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ABSTRACT

To enable signal transmission at a high data rate while securing backward compatibility.

A source device 110 and a sink device 120 are connected by an HDMI cable 200. The source device 110 is
10 compatible with both current HDMI and new HDMI. The number of differential signal channels for transmitting digital signals such as video data is three in the current HDMI, but is six in the new HDMI, for example. In a case where the cable 200 is compatible with the new
15 HDMI, and the sink device 120 is compatible with the new HDMI, a control unit 113 of the source device 110 controls a data transmitting unit 112 to operate in a new HDMI operating mode. In a case where the control unit 113 determines that at least the sink device 120 is
20 compatible only with the current HDMI, or at least the cable 200 is compatible with the current HDMI, the control unit 113 controls the data transmitting unit 112 to operate in a current HDMI operating mode.

25 Figure 1