

# Company eyes 100 Mbps digital TV

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Broadband Physics has demonstrated a 50 Mbps digital capacity in a standard television channel and expects to boost that to 100 Mbps.

The Silicon Valley company showed off its achievement at the recent CableLab Summer Conference in Colorado where CEO Mark Laubach said "innovative mathematics" led to the breakthrough.

"Imagine 100-plus Mbps of uncomplicated native downstream capacity in every cable device in the home," Laubach said in a company statement.

Laubach said bumping the capacity up to the century mark was a simple matter of increasing the channel size from 6 MHz to 12 MHz.

The technology has been dubbed Sub-Band Division Multiplexing and fits into downstream architecture at the same silicon cost of the current 64/256QAM.

In other words, SDM can be deployed as part of planned equipment changes.

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