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// Automatically generated configuration file for 'Hyperion daemon'
// Generated by: HyperCon (The Hyperion deamon configuration file builder
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{
    /// Device configuration contains the following fields:
    /// * 'name'      : The user friendly name of the device (only used for display purposes)
    /// * 'type'      : The type of the device or leds (known types for now are 'ws2801', 'ldp8806',
    ///                'lpd6803', 'sedu', 'adalight', 'lightpack', 'test' and 'none')
    /// * 'output'    : The output specification depends on selected device. This can for example
be the
    ///                device specifier, device serial number, or the output file name
    /// * 'rate'      : The baudrate of the output to the device
    /// * 'colorOrder': The order of the color bytes ('rgb', 'rbg', 'bgr', etc.).
    "device" :
    {
        "name"      : "MyPi",
        "type"      : "ws2801",
        "output"    : "/dev/spidev0.0",
        "rate"      : 250000,
        "colorOrder": "rgb"
    },

    /// Color manipulation configuration used to tune the output colors to specific surroundings.
    /// The configuration contains a list of color-transforms. Each transform contains the
    /// following fields:
    /// * 'id' : The unique identifier of the color transformation (eg 'device_1')
    /// * 'leds' : The
indices (or index ranges) of the leds to which this color transform applies
    ///            (eg '0-5, 9, 11, 12-17'). The indices are zero based.
    /// * 'hsv' : The
manipulation in the Hue-Saturation-Value color domain with the following
    ///            tuning parameters:
    ///            - 'saturationGain' The gain adjustment of the saturation
    ///            - 'valueGain'      The gain adjustment of the value
    /// * 'red'/'green'/'blue' : The manipulation in the Red-Green-Blue color domain with the
    ///            following tuning parameters for each channel:
    ///            - 'threshold'      The minimum required input value for the channel to be on
    ///            (else zero)
    ///            - 'gamma'          The gamma-curve correction factor
    ///            - 'blacklevel'     The lowest possible value (when the channel is black)
    ///            - 'whitelevel'     The highest possible value (when the channel is white)
    ///
    /// Next to the list with color transforms there is also a smoothing option.
    /// * 'smoothing' : Smoothing of the colors in the time-domain with the following tuning
    ///            parameters:
    ///            - 'type'           The type of smoothing algorithm ('linear' or 'none')
    ///            - 'time_ms'        The time constant for smoothing algorithm in milliseconds
    ///            - 'updateFrequency' The update frequency of the leds in Hz
    "color" :
    {
        "transform" :
        [
            {
                "id" : "default",
                "leds" : "*",
                "hsv" :
                {
                    "saturationGain" : 1.2000,
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        "valueGain"    : 1.2000
    },
    "red" :
    {
        "threshold" : 0.1000,
        "gamma"     : 2.0000,
        "blacklevel" : 0.0000,
        "whitelevel" : 1.0000
    },
    "green" :
    {
        "threshold" : 0.1000,
        "gamma"     : 2.0000,
        "blacklevel" : 0.0000,
        "whitelevel" : 0.8000
    },
    "blue" :
    {
        "threshold" : 0.1000,
        "gamma"     : 2.0000,
        "blacklevel" : 0.0000,
        "whitelevel" : 0.7000
    }
}
},
"smoothing" :
{
    "type"      : "linear",
    "time_ms"   : 100,
    "updateFrequency" : 25.0000
}
},

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/// The configuration for each individual led. This contains the specification of the area
/// averaged of an input image for each led to determine its color. Each item in the list
/// contains the following fields:
/// * index: The index of the led. This determines its location in the string of leds; zero
///          being the first led.
/// * hscan: The fractional part of the image along the horizontal used for the averaging
///          (minimum and maximum inclusive)
/// * vscan: The fractional part of the image along the vertical used for the averaging
///          (minimum and maximum inclusive)
"leds" :
[
    {
        "index" : 0,
        "hscan" : { "minimum" : 0.6571, "maximum" : 0.6857 },
        "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
    },
    {
        "index" : 1,
        "hscan" : { "minimum" : 0.6286, "maximum" : 0.6571 },
        "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
    },
    {
        "index" : 2,

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    "hscan" : { "minimum" : 0.6000, "maximum" : 0.6286 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 3,
    "hscan" : { "minimum" : 0.5714, "maximum" : 0.6000 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 4,
    "hscan" : { "minimum" : 0.5429, "maximum" : 0.5714 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 5,
    "hscan" : { "minimum" : 0.5143, "maximum" : 0.5429 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 6,
    "hscan" : { "minimum" : 0.4857, "maximum" : 0.5143 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 7,
    "hscan" : { "minimum" : 0.4571, "maximum" : 0.4857 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 8,
    "hscan" : { "minimum" : 0.4286, "maximum" : 0.4571 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 9,
    "hscan" : { "minimum" : 0.4000, "maximum" : 0.4286 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 10,
    "hscan" : { "minimum" : 0.3714, "maximum" : 0.4000 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 11,
    "hscan" : { "minimum" : 0.3429, "maximum" : 0.3714 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 12,
    "hscan" : { "minimum" : 0.3143, "maximum" : 0.3429 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 13,
    "hscan" : { "minimum" : 0.2857, "maximum" : 0.3143 },

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    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 14,
    "hscan" : { "minimum" : 0.2571, "maximum" : 0.2857 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 15,
    "hscan" : { "minimum" : 0.2286, "maximum" : 0.2571 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 16,
    "hscan" : { "minimum" : 0.2000, "maximum" : 0.2286 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 17,
    "hscan" : { "minimum" : 0.1714, "maximum" : 0.2000 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 18,
    "hscan" : { "minimum" : 0.1429, "maximum" : 0.1714 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 19,
    "hscan" : { "minimum" : 0.1143, "maximum" : 0.1429 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 20,
    "hscan" : { "minimum" : 0.0857, "maximum" : 0.1143 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 21,
    "hscan" : { "minimum" : 0.0571, "maximum" : 0.0857 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 22,
    "hscan" : { "minimum" : 0.0286, "maximum" : 0.0571 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 23,
    "hscan" : { "minimum" : 0.0000, "maximum" : 0.0286 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 24,
    "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  }
}

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    },
    {
        "index" : 25,
        "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
        "vscan" : { "minimum" : 0.9524, "maximum" : 1.0000 }
    },
    {
        "index" : 26,
        "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
        "vscan" : { "minimum" : 0.9048, "maximum" : 0.9524 }
    },
    {
        "index" : 27,
        "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
        "vscan" : { "minimum" : 0.8571, "maximum" : 0.9048 }
    },
    {
        "index" : 28,
        "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
        "vscan" : { "minimum" : 0.8095, "maximum" : 0.8571 }
    },
    {
        "index" : 29,
        "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
        "vscan" : { "minimum" : 0.7619, "maximum" : 0.8095 }
    },
    {
        "index" : 30,
        "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
        "vscan" : { "minimum" : 0.7143, "maximum" : 0.7619 }
    },
    {
        "index" : 31,
        "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
        "vscan" : { "minimum" : 0.6667, "maximum" : 0.7143 }
    },
    {
        "index" : 32,
        "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
        "vscan" : { "minimum" : 0.6190, "maximum" : 0.6667 }
    },
    {
        "index" : 33,
        "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
        "vscan" : { "minimum" : 0.5714, "maximum" : 0.6190 }
    },
    {
        "index" : 34,
        "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
        "vscan" : { "minimum" : 0.5238, "maximum" : 0.5714 }
    },
    {
        "index" : 35,
        "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
        "vscan" : { "minimum" : 0.4762, "maximum" : 0.5238 }
    },
    },

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{
    "index" : 36,
    "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
    "vscan" : { "minimum" : 0.4286, "maximum" : 0.4762 }
},
{
    "index" : 37,
    "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
    "vscan" : { "minimum" : 0.3810, "maximum" : 0.4286 }
},
{
    "index" : 38,
    "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
    "vscan" : { "minimum" : 0.3333, "maximum" : 0.3810 }
},
{
    "index" : 39,
    "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
    "vscan" : { "minimum" : 0.2857, "maximum" : 0.3333 }
},
{
    "index" : 40,
    "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
    "vscan" : { "minimum" : 0.2381, "maximum" : 0.2857 }
},
{
    "index" : 41,
    "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
    "vscan" : { "minimum" : 0.1905, "maximum" : 0.2381 }
},
{
    "index" : 42,
    "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
    "vscan" : { "minimum" : 0.1429, "maximum" : 0.1905 }
},
{
    "index" : 43,
    "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
    "vscan" : { "minimum" : 0.0952, "maximum" : 0.1429 }
},
{
    "index" : 44,
    "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
    "vscan" : { "minimum" : 0.0476, "maximum" : 0.0952 }
},
{
    "index" : 45,
    "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0476 }
},
{
    "index" : 46,
    "hscan" : { "minimum" : 0.0000, "maximum" : 0.0400 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
},
{

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    "index" : 47,
    "hscan" : { "minimum" : 0.0000, "maximum" : 0.0286 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 48,
    "hscan" : { "minimum" : 0.0286, "maximum" : 0.0571 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 49,
    "hscan" : { "minimum" : 0.0571, "maximum" : 0.0857 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 50,
    "hscan" : { "minimum" : 0.0857, "maximum" : 0.1143 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 51,
    "hscan" : { "minimum" : 0.1143, "maximum" : 0.1429 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 52,
    "hscan" : { "minimum" : 0.1429, "maximum" : 0.1714 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 53,
    "hscan" : { "minimum" : 0.1714, "maximum" : 0.2000 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 54,
    "hscan" : { "minimum" : 0.2000, "maximum" : 0.2286 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 55,
    "hscan" : { "minimum" : 0.2286, "maximum" : 0.2571 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 56,
    "hscan" : { "minimum" : 0.2571, "maximum" : 0.2857 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 57,
    "hscan" : { "minimum" : 0.2857, "maximum" : 0.3143 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 58,

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    "hscan" : { "minimum" : 0.3143, "maximum" : 0.3429 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 59,
    "hscan" : { "minimum" : 0.3429, "maximum" : 0.3714 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 60,
    "hscan" : { "minimum" : 0.3714, "maximum" : 0.4000 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 61,
    "hscan" : { "minimum" : 0.4000, "maximum" : 0.4286 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 62,
    "hscan" : { "minimum" : 0.4286, "maximum" : 0.4571 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 63,
    "hscan" : { "minimum" : 0.4571, "maximum" : 0.4857 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 64,
    "hscan" : { "minimum" : 0.4857, "maximum" : 0.5143 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 65,
    "hscan" : { "minimum" : 0.5143, "maximum" : 0.5429 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 66,
    "hscan" : { "minimum" : 0.5429, "maximum" : 0.5714 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 67,
    "hscan" : { "minimum" : 0.5714, "maximum" : 0.6000 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 68,
    "hscan" : { "minimum" : 0.6000, "maximum" : 0.6286 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 69,
    "hscan" : { "minimum" : 0.6286, "maximum" : 0.6571 },

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    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 70,
    "hscan" : { "minimum" : 0.6571, "maximum" : 0.6857 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 71,
    "hscan" : { "minimum" : 0.6857, "maximum" : 0.7143 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 72,
    "hscan" : { "minimum" : 0.7143, "maximum" : 0.7429 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 73,
    "hscan" : { "minimum" : 0.7429, "maximum" : 0.7714 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 74,
    "hscan" : { "minimum" : 0.7714, "maximum" : 0.8000 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 75,
    "hscan" : { "minimum" : 0.8000, "maximum" : 0.8286 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 76,
    "hscan" : { "minimum" : 0.8286, "maximum" : 0.8571 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 77,
    "hscan" : { "minimum" : 0.8571, "maximum" : 0.8857 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 78,
    "hscan" : { "minimum" : 0.8857, "maximum" : 0.9143 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 79,
    "hscan" : { "minimum" : 0.9143, "maximum" : 0.9429 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  },
  {
    "index" : 80,
    "hscan" : { "minimum" : 0.9429, "maximum" : 0.9714 },
    "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
  }

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    },
    {
        "index" : 81,
        "hscan" : { "minimum" : 0.9714, "maximum" : 1.0000 },
        "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
    },
    {
        "index" : 82,
        "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
        "vscan" : { "minimum" : 0.0000, "maximum" : 0.0400 }
    },
    {
        "index" : 83,
        "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
        "vscan" : { "minimum" : 0.0000, "maximum" : 0.0476 }
    },
    {
        "index" : 84,
        "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
        "vscan" : { "minimum" : 0.0476, "maximum" : 0.0952 }
    },
    {
        "index" : 85,
        "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
        "vscan" : { "minimum" : 0.0952, "maximum" : 0.1429 }
    },
    {
        "index" : 86,
        "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
        "vscan" : { "minimum" : 0.1429, "maximum" : 0.1905 }
    },
    {
        "index" : 87,
        "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
        "vscan" : { "minimum" : 0.1905, "maximum" : 0.2381 }
    },
    {
        "index" : 88,
        "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
        "vscan" : { "minimum" : 0.2381, "maximum" : 0.2857 }
    },
    {
        "index" : 89,
        "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
        "vscan" : { "minimum" : 0.2857, "maximum" : 0.3333 }
    },
    {
        "index" : 90,
        "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
        "vscan" : { "minimum" : 0.3333, "maximum" : 0.3810 }
    },
    {
        "index" : 91,
        "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
        "vscan" : { "minimum" : 0.3810, "maximum" : 0.4286 }
    },
    },

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{
  "index" : 92,
  "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
  "vscan" : { "minimum" : 0.4286, "maximum" : 0.4762 }
},
{
  "index" : 93,
  "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
  "vscan" : { "minimum" : 0.4762, "maximum" : 0.5238 }
},
{
  "index" : 94,
  "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
  "vscan" : { "minimum" : 0.5238, "maximum" : 0.5714 }
},
{
  "index" : 95,
  "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
  "vscan" : { "minimum" : 0.5714, "maximum" : 0.6190 }
},
{
  "index" : 96,
  "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
  "vscan" : { "minimum" : 0.6190, "maximum" : 0.6667 }
},
{
  "index" : 97,
  "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
  "vscan" : { "minimum" : 0.6667, "maximum" : 0.7143 }
},
{
  "index" : 98,
  "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
  "vscan" : { "minimum" : 0.7143, "maximum" : 0.7619 }
},
{
  "index" : 99,
  "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
  "vscan" : { "minimum" : 0.7619, "maximum" : 0.8095 }
},
{
  "index" : 100,
  "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
  "vscan" : { "minimum" : 0.8095, "maximum" : 0.8571 }
},
{
  "index" : 101,
  "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
  "vscan" : { "minimum" : 0.8571, "maximum" : 0.9048 }
},
{
  "index" : 102,
  "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
  "vscan" : { "minimum" : 0.9048, "maximum" : 0.9524 }
},
{

```

```

    "index" : 103,
    "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
    "vscan" : { "minimum" : 0.9524, "maximum" : 1.0000 }
  },
  {
    "index" : 104,
    "hscan" : { "minimum" : 0.9600, "maximum" : 1.0000 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 105,
    "hscan" : { "minimum" : 0.9714, "maximum" : 1.0000 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 106,
    "hscan" : { "minimum" : 0.9429, "maximum" : 0.9714 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 107,
    "hscan" : { "minimum" : 0.9143, "maximum" : 0.9429 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 108,
    "hscan" : { "minimum" : 0.8857, "maximum" : 0.9143 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 109,
    "hscan" : { "minimum" : 0.8571, "maximum" : 0.8857 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 110,
    "hscan" : { "minimum" : 0.8286, "maximum" : 0.8571 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 111,
    "hscan" : { "minimum" : 0.8000, "maximum" : 0.8286 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 112,
    "hscan" : { "minimum" : 0.7714, "maximum" : 0.8000 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 113,
    "hscan" : { "minimum" : 0.7429, "maximum" : 0.7714 },
    "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
  },
  {
    "index" : 114,

```

```

        "hscan" : { "minimum" : 0.7143, "maximum" : 0.7429 },
        "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
    },
    {
        "index" : 115,
        "hscan" : { "minimum" : 0.6857, "maximum" : 0.7143 },
        "vscan" : { "minimum" : 0.9600, "maximum" : 1.0000 }
    }
],

```

/// The black border configuration, contains the following items:

```

/// * enable    : true if the detector should be activated
/// * threshold : Value below which a pixel is regarded as black (value between 0.0 and 1.0)
"blackborderdetector" :
{
    "enable" : true,
    "threshold" : 0.01
},

```

/// The configuration of the effect engine, contains the following items:

```

/// * paths      : An array with absolute location(s) of directories with effects
/// * bootsequence : The effect selected as 'boot sequence'

```

```

"effects" :
{
    "paths" :
    [
        "/storage/hyperion/effects"
    ]
},

```

```

"bootsequence" :
{
    "effect" : "Rainbow swirl fast",
    "duration_ms" : 3000
},

```

/// The configuration for the frame-grabber, contains the following items:

```

/// * width      : The width of the grabbed frames [pixels]
/// * height      : The height of the grabbed frames [pixels]
/// * frequency_Hz : The frequency of the frame grab [Hz]

```

```

"framegrabber" :
{
    "width" : 64,
    "height" : 64,
    "frequency_Hz" : 10.0
},

```

/// The configuration of the XBMC connection used to enable and disable the frame-grabber. Contains the following fields:

```

/// * xbmcAddress    : The IP address of the XBMC-host
/// * xbmcTcpPort     : The TCP-port of the XBMC-server
/// * grabVideo       : Flag indicating that the frame-grabber is on(true) during video
playback
/// * grabPictures    : Flag indicating that the frame-grabber is on(true) during picture show
/// * grabAudio        : Flag indicating that the frame-grabber is on(true) during audio
playback

```

```

    /// * grabMenu      : Flag indicating that the frame-grabber is on(true) in the XBMC menu
    /// * grabScreensaver : Flag indicating that the frame-grabber is on(true) when XBMC is
on screensaver
    /// * enable3DDetection : Flag indicating that the frame-grabber should switch to a 3D
compatible modus if a 3D video is playing
    "xbmcVideoChecker" :
    {
        "xbmcAddress" : "127.0.0.1",
        "xbmcTcpPort" : 9090,
        "grabVideo" : true,
        "grabPictures" : true,
        "grabAudio" : true,
        "grabMenu" : false,
        "grabScreensaver" : true,
        "enable3DDetection" : true
    },

    /// The configuration of the Json server which enables the json remote interface
    /// * port : Port at which the json server is started
    "jsonServer" :
    {
        "port" : 19444
    },

    /// The configuration of the Proto server which enables the protobuf remote interface
    /// * port : Port at which the protobuf server is started
    "protoServer" :
    {
        "port" : 19445
    },

    /// The configuration of the boblight server which enables the boblight remote interface
    /// * port : Port at which the boblight server is started
    // "boblightServer" :
    // {
    //     "port" : 19333
    // },

    "endOfJson" : "endOfJson"
}

```