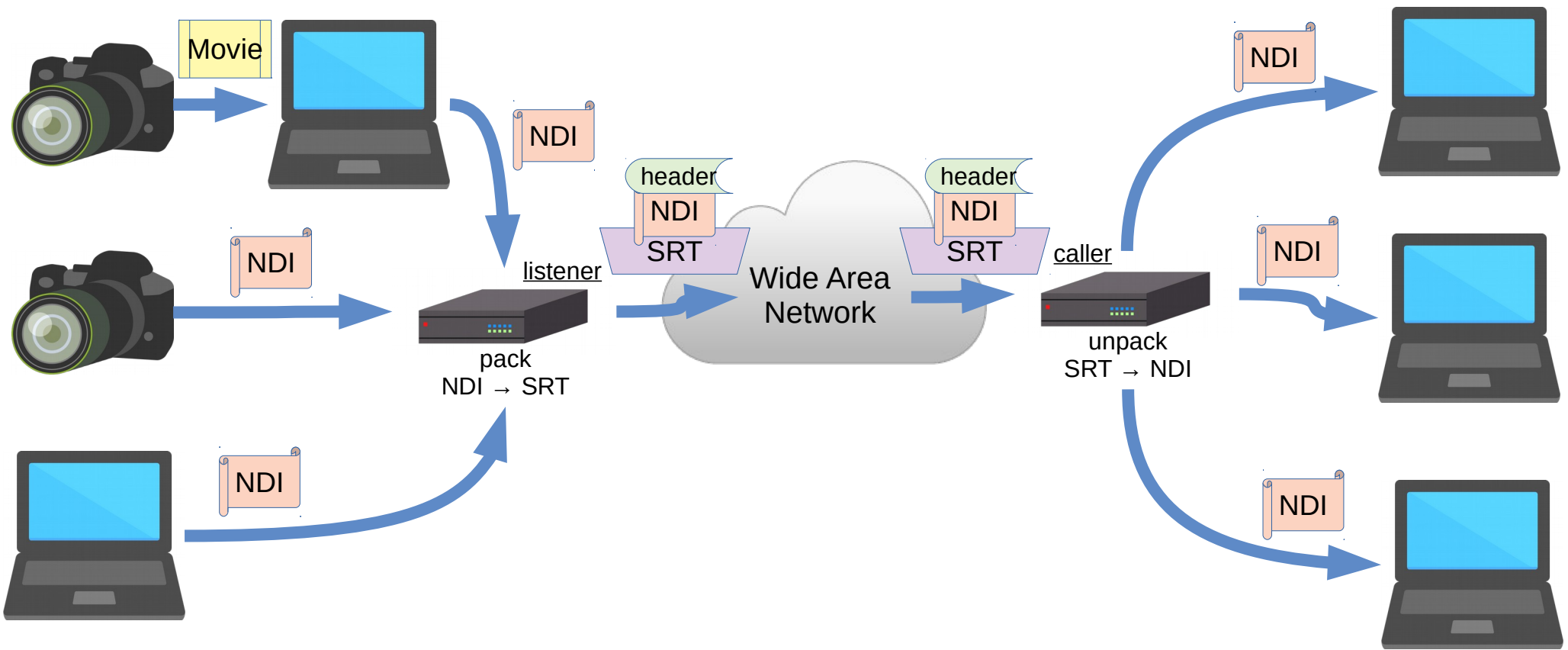
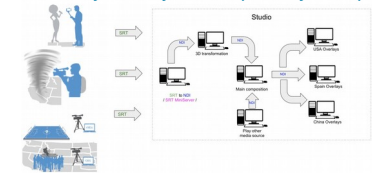
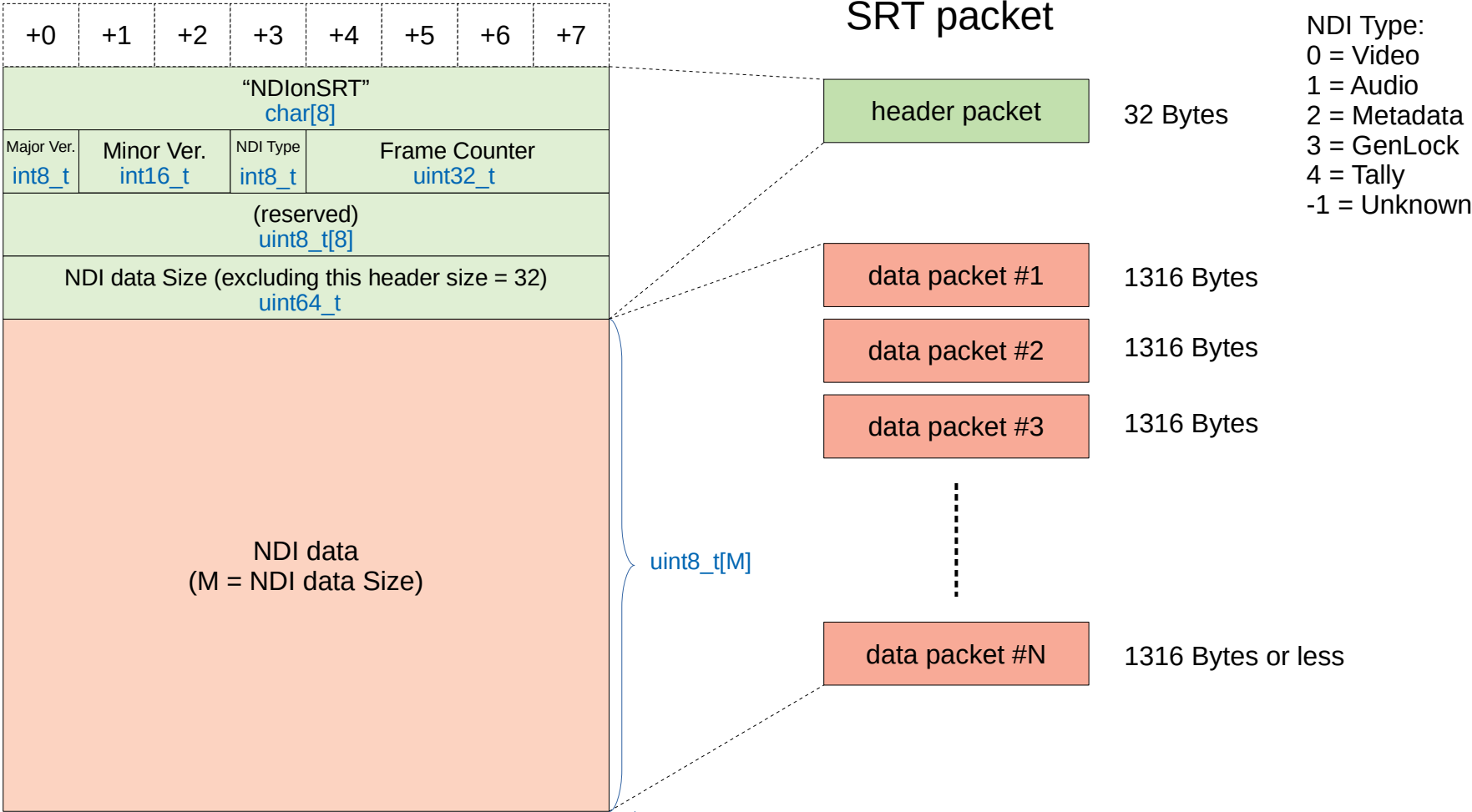


Consept of NDI on SRT

[https://srtminiserver.com/blog_ndi_srt/#:~:text=NDI is glue for build production workflow inside,task%3A low-latency delivery of data \(not only video\).](https://srtminiserver.com/blog_ndi_srt/#:~:text=NDI is glue for build production workflow inside,task%3A low-latency delivery of data (not only video).)



Structure of NDI on SRT



```

typedef struct NDlib_video_frame_v2_t
{
    // The resolution of this frame
    int xres, yres;

    // What FourCC describing the type of data for this frame
    NDlib_FourCC_video_type_e FourCC;

    // What is the frame-rate of this frame.
    // For instance NTSC is 30000,1001 = 30000/1001 = 29.97fps
    int frame_rate_N, frame_rate_D;

    // What is the picture aspect ratio of this frame.
    // For instance 16.0/9.0 = 1.778 is 16:9 video
    // 0 means square pixels
    float picture_aspect_ratio;

    // Is this a fielded frame, or is it progressive
    NDlib_frame_format_type_e frame_format_type;

    // The timecode of this frame in 100ns intervals
    int64_t timecode;

    // The video data itself
    uint8_t* p_data;

    union
    {
        // If the FourCC is not a compressed type, then this will be the inter-line stride of the video data
        // in bytes. If the stride is 0, then it will default to sizeof(one pixel)*xres.
        int line_stride_in_bytes;

        // If the FourCC is a compressed type, then this will be the size of the p_data buffer in bytes.
        int data_size_in_bytes;
    };

    // Per frame metadata for this frame. This is a NULL terminated UTF8 string that should be in XML format.
    // If you do not want any metadata then you may specify NULL here.
    const char* p_metadata; // Present in >= v2.5

    // This is only valid when receiving a frame and is specified as a 100ns time that was the exact moment
    // that the frame was submitted by the sending side and is generated by the SDK. If this value is
    // NDlib_recv_timestamp_undefined then this value is not available and is NDlib_recv_timestamp_undefined.
    int64_t timestamp; // Present in >= v2.5
} NDlib_video_frame_v2_t;

```

| +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 |
|--|----|----|----|-------------------------------|----|----|----|
| xres int32_t | | | | yres int32_t | | | |
| FourCC uint32_t | | | | frame_rate_N int32_t | | | |
| frame_rate_D int32_t | | | | picture_aspect_ratio float | | | |
| frame_format_type uint32_t | | | | timecode ... int64_t ... | | | |
| ... timecode ... int64_t | | | | data_size_in_bytes int32_t | | | |
| timestamp int64_t | | | | | | | |
| metadata char[M] | | | | | | | |
| NULL | | | | | | | |
| data uint8_t[N] N = data_size_in_bytes | | | | | | | |